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DARVEEN

2025

Product Solution Guide



2025

Product Solution Guide

Industrial Computing Solutions



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Leading in Ports and Terminals

In recent years, Darveen has established itself as a leading global brand and a top international supplier of vehicle mount computers for ports and terminals across Asia. Our user-friendly solutions are designed to enhance operational efficiency and meet the unique demands of terminal environments.



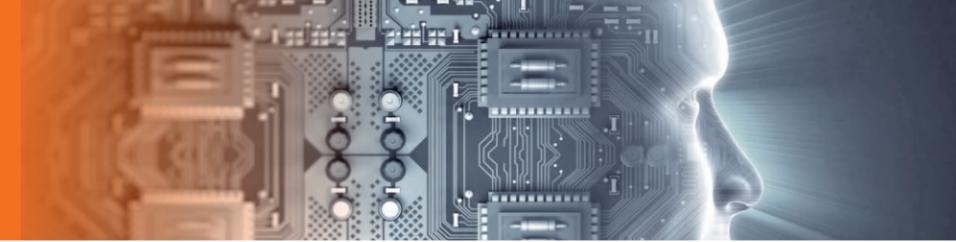
Optimize Productivity Across Industries with Darveen's Industrial Computers



We Are Darveen

Established in 2007, Darveen has been dedicated to developing rugged industrial computer solutions tailored to the unique needs of various vertical industries. Our product lines include in-vehicle computers, industrial panel PCs, rugged tablets, embedded box computers, and industrial monitors. Darveen's vehicle mount computer solutions have successfully helped hundreds of container terminals in streamlining their processes and operations. With nearly 20 years of experience in product design and manufacturing, Darveen's products have gained widespread acceptance in diverse markets, including container terminals, warehousing, manufacturing, industrial equipment, mining, and special vehicle fleets.

Our Capabilities and Competencies



Product Development and Testing

We uphold a rigorous control process throughout the development and verification phases, from EVT/DVT/PVT to MVT. We improve testing indicators at every stage, supported by an excellent testing lab equipped with IPX6 water-proof testing devices, high and low temperature testing boxes, constant temperature and humidity testing boxes, burn-in testing boxes, high frequency 3-axis electromagnetic vibration machines, salt spray cabinets, sand-dust testing chambers, drop testing machines, and other advanced equipment. Our commitment extends to providing industry certifications, such as CE/FCC/CCC and US Military Standard, tailored to our client's needs, making Darveen a quality-driven choice for industrial solutions.



Expertise in Manufacturing

With four production lines adhering to standard SOPs, our staff works diligently to maintain consistent quality. Our MES system ensures product traceability, and we perform quality control at every stage of the manufacturing process, from IQC, IPQC, FQC to OQC. Our manufacturing and engineering facilities are certified to the latest ISO-9001, ISO-14001 and ISO-45001 standards. Our greatest advantage in manufacturing lies in the extensive production capacity and significant flexibility of our Shenzhen Manufacturing Center, allowing us to promptly meet customer delivery demands.



Flexible Customization Services

Darveen is committed to addressing customer needs by delivering further customization services that help customers capture new opportunities and overcome challenges. Our offerings include case modifications, tailored cut-outs and I/O ports, customized logos and designs, BIOS adjustments, and other special services, enabling faster time-to-market for customers' projects.



Recognition and Innovation

We are a recognized "National Hi-Tech Enterprise", known for innovation, holding more than 100 patents affirming dedication to creativity and independent Research and Development. We offer pioneering solutions in top-notch industrial computing, backed by extensive industry experience.



Meet Vertical Market Needs with Comprehensive Embedded Solutions

Darveen's offerings are extensively utilized in various vertical markets, including ports and terminals, vehicle fleets, industrial automation, warehousing, marine environments, and field mobility applications. Darveen supplies robust embedded computers with specific designs and features to system integrators, distributors, resellers, and equipment manufacturers. Moving forward, Darveen will continue to innovate and develop vertical market focus products, aiming to elevate customer value and profitability in all aspects.



Vehicle Mount Computers

- 7" to 15" touch screens with front panels integrating numeric and function keys
- Designed for container ports, buses, fleets, mining vehicles, and agricultural vehicles
- Intel® x86 and ARM-based CPU options, Windows or Android OS
- Rugged design with IP66/IP65 ratings, compliant with MIL-STD-810H/G
- Equipped with ignition control

Rugged Tablets

- Intel® x86 and ARM-based CPU options, Windows or Android OS
- Integrated 1D/2D barcode scanning, RFID reading, and fingerprint identification
- Stylish yet rugged, built to withstand drops, dust, and water
- IP67/IP66 ratings, compliant with MIL-STD-810H

Industrial Panel PCs

- Designed for industrial HMI, food processing, healthcare, marine applications, and etc.
- Various screen sizes and touch types from 8" to 21.5"
- Intel® x86 and ARM-based CPU options, Windows or Android OS
- Specific environmental design capability with certification upon request

Industrial Displays

- Various screen sizes and touch types from 8" to 21.5"
- Flexible installation and sunlight-readable options
- Anti-glare and anti-fingerprint

Embedded Box Computers

- Designed for edge computing for machine vision, IIoT, in-vehicle, marine, and etc.
- Heavy-duty design capabilities: extended temperature, fanless operation, wide DC input, ESD protection
- Compact form factor for easy integration into control cabinets or DIN-rail mounts
- Specific environmental design capability with certification upon request
- IEC 60945/61162-1/2, IACS E10 certified for marine



Port Operations – Maximize Productivity with Vehicle Mount Computers

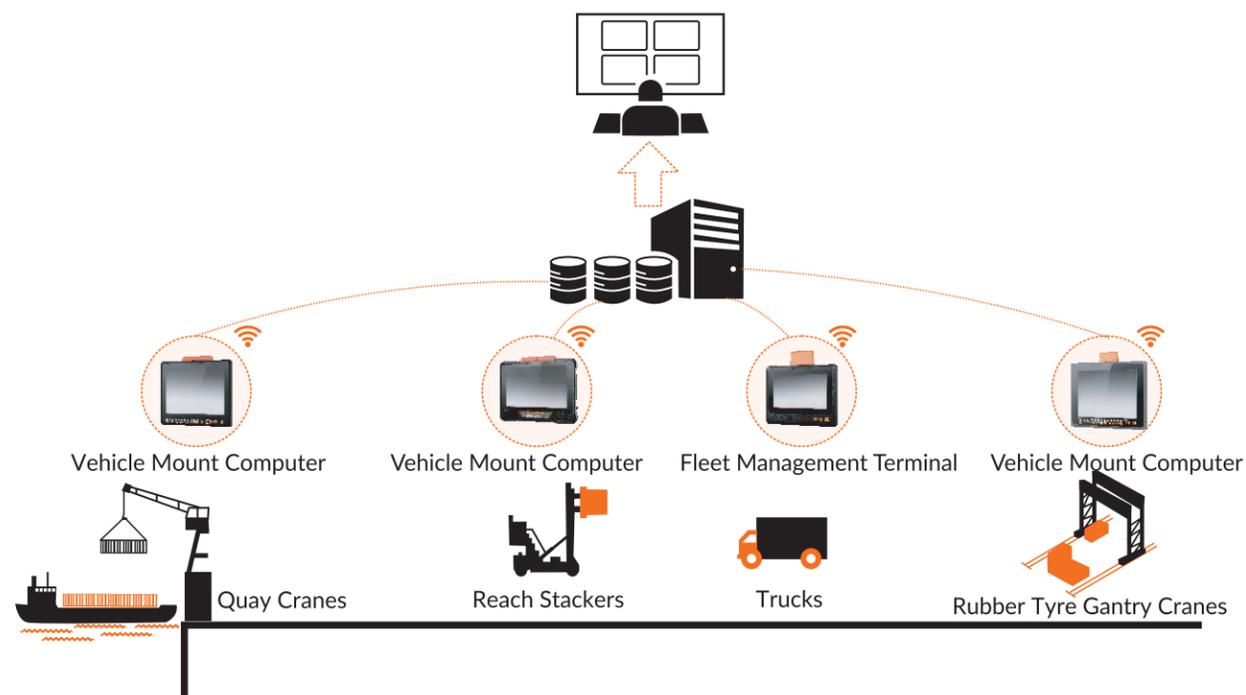
With the rapid growth of e-commerce, the management of port terminals at global ports has become increasingly complex. This has driven a growing number of port operators to seek reliable and robust IT solutions. Whether it involves gantry cranes, quay cranes, yard cranes, reach stackers, forklift trucks, or container trucks responsible for transporting goods, there is a critical need to effectively monitor mobile machinery, assets, and human resources. Darveen offers rugged computing solutions with timely and stable data transfer to enhance the efficiency of container handling and cargo movement. Darveen's optimized rugged computers facilitate the deployment of port automation.

Requirements

- Rugged design, resistant to salt, fog, dust, and water
- Sunlight-readable display
- Wireless real-time connectivity and positioning, supporting Wi-Fi, GNSS, 4G/5G, and Bluetooth
- Precise and real-time vehicle location through GNSS positioning
- Uninterrupted power supply for stable system performance
- Anti-vibration and shock, meeting MIL-STD-810 standard
- Wide operating temp

Darveen's Solutions

- Constructed with die-cast aluminum alloy, the VT series ensures anti-corrosion and exceptional durability
- Fanless design minimizes maintenance efforts and downtime costs
- Supports a wide operating temperature range and shock/vibration resistance, compliant with MIL-STD-810H/G
- Equipped with built-in Wi-Fi 7/6E, 4G/5G communication modules, and GPS positioning capabilities
- Supports wide input voltage (8-36V/ 18-72V/ 60-120V) and ignition control
- High-brightness touchscreen up to 1,000 nits



Container Trucks – Boost Fleet Performance, Deliver with Confidence

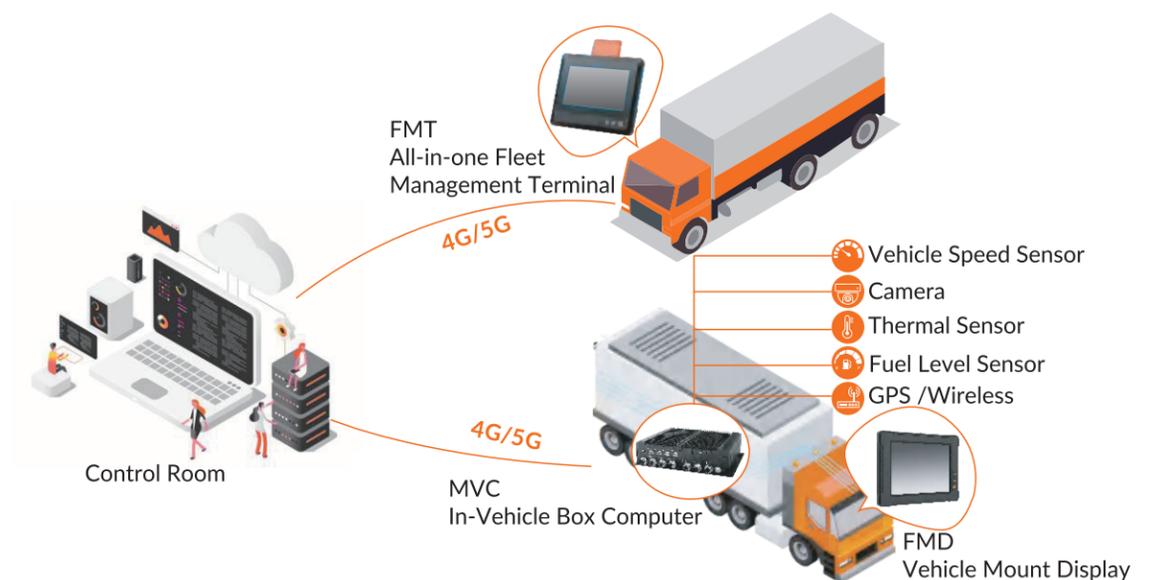
Transportation is vital to the global economy, with long-haul trucks serving as a cornerstone of the modern supply chain. However, freight logistics face significant challenges, including rising fuel costs and increasing environmental concerns. Heavy-duty container trucks, designed for large and heavy loads, contribute to higher carbon dioxide emissions and a larger carbon footprint. Darveen's in-vehicle computers provide efficient solutions for enhancing logistics operations while supporting sustainable fleet management.

Requirements

- Highly flexible design suitable for installation in confined spaces
- Wide input voltage support with IGN protection to safeguard systems and data
- Wireless real-time connectivity and positioning, supporting Wi-Fi, GNSS, 4G/5G, and Bluetooth
- Abundant I/O interfaces for connecting diverse sensors and peripherals, including USB, LAN, COM, GPIO, and CAN Bus
- Rugged design to withstand vibrations from various road conditions

Darveen's Solutions

- All-in-one vehicle mount computers and in-vehicle box computers
- 4G/5G for real-time fleet communication
- GPS, GLONASS, Galileo, and Beidou for positioning, navigation and tracking
- Wide voltage input with optional 18-72V DC adapter (VT series). Ignition control
- Rich I/O: USB, COM, LAN, GPIO, CAN Bus, with M12 connectors (MVC series)
- IP66/IP65 protection and MIL-STD-810H/G compliant





Bus - Effortless Transit with Smarter Arrival System

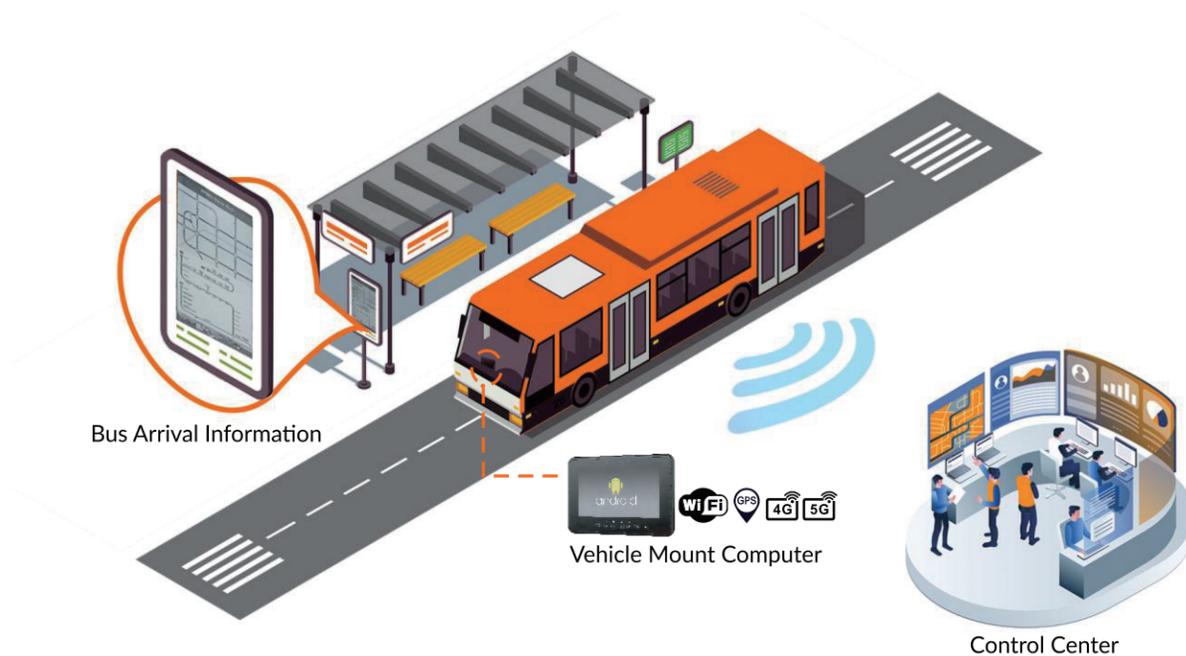
The connected fleet provides bus operators with effective real-time monitoring and management. For passengers, it offers conveniences such as digital signage and bus arrival prediction systems, delivering crucial traffic information while enhancing the safety and comfort of their journeys. These advanced applications are powered by in-vehicle computers installed on buses, which are connected to servers in the central control room, ensuring seamless communication and data flow.

Requirements

- Real-time GPS tracking for accurate bus arrival predictions
- Wireless connectivity including 4G/5G or Wi-Fi for seamless data transmission
- Support for GPS, GLONASS, Galileo for precise tracking
- Rugged design to withstand vibrations and temperature changes
- Multiple I/O interfaces for sensor connections
- User-friendly interface for drivers and operators

Darveen's Solutions

- All-in-one vehicle mount computers with user-friendly interfaces to display driving data and routes
- SIM card support for seamless 4G/5G real-time fleet communication
- GPS, GLONASS, Galileo, and Beidou for positioning, navigation and tracking
- Wide voltage input, ignition control
- Rich I/O: USB, COM, LAN, and CAN Bus interfaces
- MIL-STD-810H/G for vibration and impact resistance



Mining Vehicle - Cut Carbon Emissions Through Precise Fleet Control

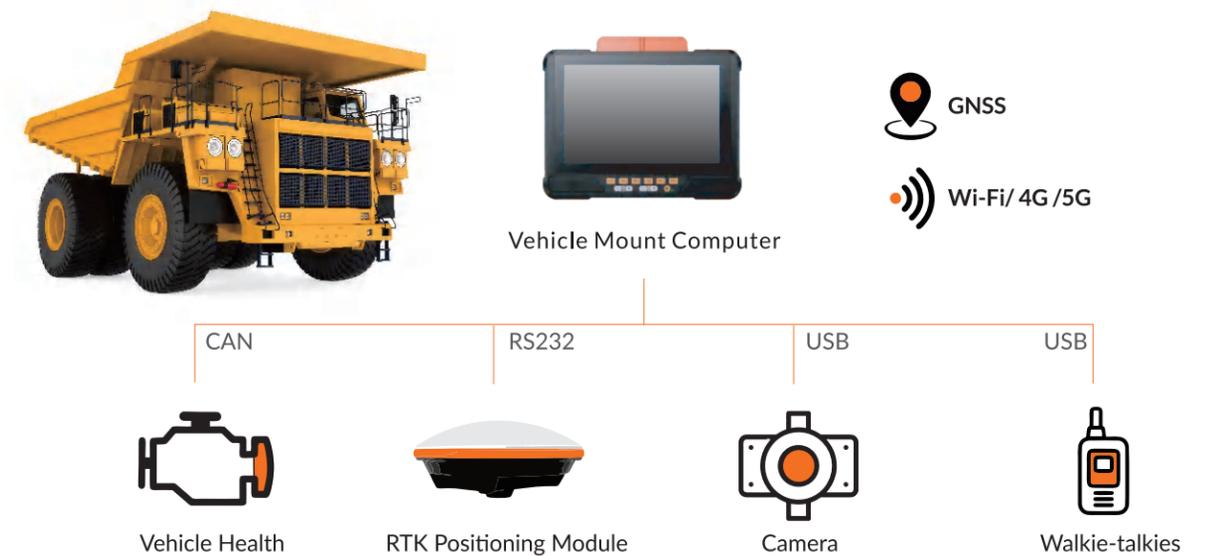
The application of special vehicles extends beyond public roads to include those operating in closed environments, such as mining trucks, bulldozers, and construction machinery. These heavy industrial vehicles can enhance operational efficiency and cut carbon emissions by integrating vehicle mount computers. Equipped with navigation features, sensors, and positioning technology, these systems help prevent collisions and improve safety in mining operations. Darveen's vehicle mount computers optimize mining vehicle performance in fleet dispatching, fuel and safety monitoring.

Requirements

- Supports handheld intercom for fleet dispatch management
- Built-in high-precision positioning module for centimeter-level positioning and navigation accuracy
- Wide voltage input and compatibility with vehicle-grade power supplies to meet various vehicle surge conditions
- IP65 or higher for dust and water resistance
- Rugged design to withstand harsh environmental conditions
- Sunlight-readable display with brightness up to 1,000 nits

Darveen's Solutions

- All-in-one vehicle mount computers with user-friendly displays
- Supports handheld intercoms to fulfill fleet communication
- High-precision navigation with GPS, BEIDOU, GALILEO, and RTK for accuracy up to 1-2 cm
- Rich I/O: CAN Bus, USB, LAN, COM for connecting sensors, cameras, and RTK modules
- IP66/IP65 protection and MIL-STD-810H/G compliant
- Wide voltage input, ignition control
- Versatile mounting with adjustable, sandwich-type, and U-type brackets, etc





Agricultural Vehicle - Drive Sustainable Growth in Crop Production

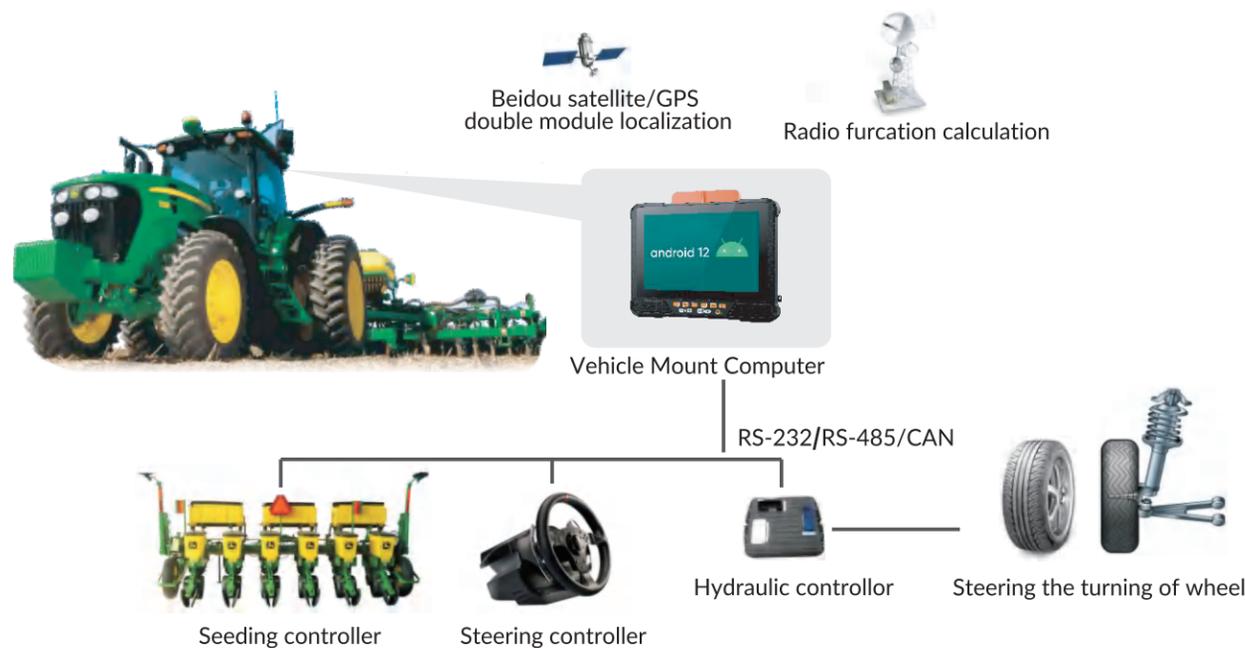
The main function of existing agricultural vehicle computers is to provide precise vehicle positioning and navigation. These computers also rely on sensors installed in the vehicle to monitor vehicle health, collect soil and weather data, and enable further automation and data-driven capabilities. Darveen's vehicle mount computers play a key role in agricultural vehicle navigation, as well as in monitoring vehicle health and on-site data.

Requirements

- IP65 or higher dust and water resistance
- High-precision centimeter-level positioning
- Supports external CAN bus and sensors via serial port
- Vehicle-grade power supply, compatible with various vehicle power surge conditions
- Sunlight-readable display

Darveen's Solutions

- Built-in high-precision positioning module for centimeter-level navigation
- 9 to 36V wide power input. Ignition control
- Built-in CAN bus for vehicle health diagnostics
- IP66/IP65 protection and MIL-STD-810H/G compliant
- Display brightness up to 1,000 nits



MES Workstation - Streamline Production with Intelligent Manufacturing

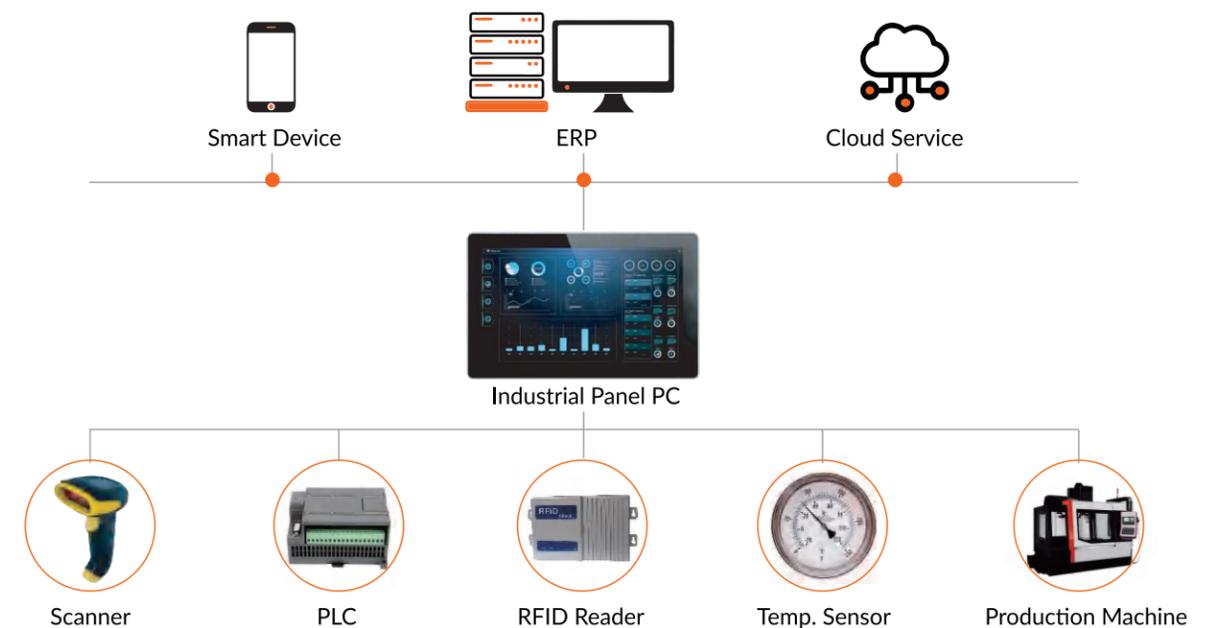
As the manufacturing industry shifts towards Industry 4.0 and smart factories, digital machinery has been widely adopted on shop floors. Industrial panel computers, serving as Human-Machine Interfaces (HMIs), are installed at each workstation and connected to MES servers via Ethernet. These computers allow operators to receive production instructions and e-SOPs for work orders, aiding in real-time coordination, quality management, and data collection. Darveen's industrial panel PCs help optimize the entire production process, improving delivery and material control. In food processing factories, where residues and grease are prevalent, Darveen offers stainless steel panel PCs with M12 connectors to ensure stable and reliable operations.

Requirements

- Built for harsh environments with high/low temperatures, dust, and vibration
- User-friendly touch interfaces for efficient data visualization and quick processing of production instructions
- Resistive touchscreens for gloved use; capacitive screens for multi-touch functionality
- Multiple I/O ports for data capture and device connectivity
- Reliable 24/7 operation to ensure uninterrupted MES system performance

Darveen's Solutions

- 8 to 21.5 inches with x86 or ARM-based CPUs, Windows/Android OS
- Touch options: multi-point capacitive or single-point resistive
- Fanless, IP66/IP65-rated for harsh environments
- I/O ports for USB, LAN, and COM connections, with M12 connectors (RPC and SPC series)
- Modular design supports I/O board customization and easy CPU upgrades
- Flexible installation: Cantilever suspension, wall mount, or stand-alone





Intelligent Automation - Power Up Smart Factory with Edge AI

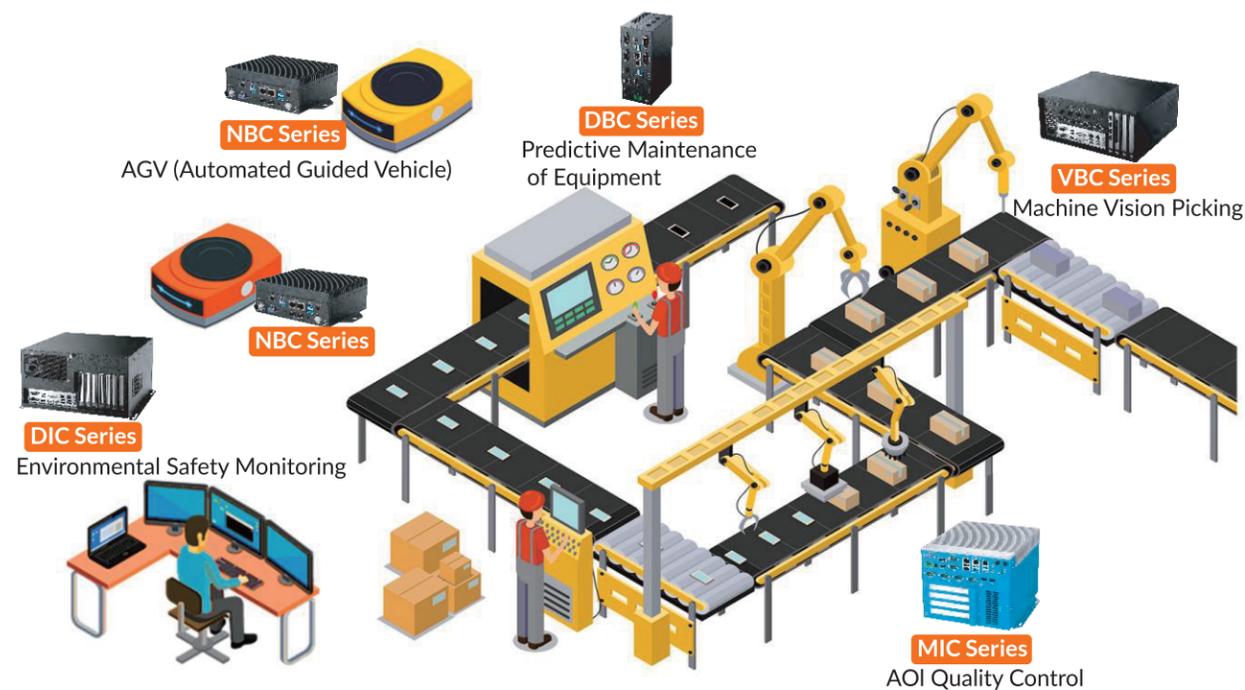
In today's industrial sites and manufacturing sectors, AI is widely applied in intelligent equipment. Edge AI enhances automation, safety, and decision-making capabilities, bringing significant benefits to factories. For example, edge AI can monitor production lines and equipment in real time, identifying potential issues early to prevent failures. This predictive maintenance reduces downtime and ensures smooth production operations. Edge AI computing is gradually integrating into the daily production processes of factories.

Requirements

- Durability with extended temperature, fanless operation, wide DC input, ESD protection
- Wide I/O support for sensors, controllers, PLCs, and other devices
- Stable connectivity with Wi-Fi, Ethernet, and 5G for real-time data transmission
- High processing power for handling complex Edge AI tasks
- Machine vision compatibility with camera connections and GPU expansion

Darveen's Solutions

- AOI Defect Detection: MIC series with a 300W, 330mm long GPU card expansion for high-performance computing
- Machine Vision: VBC series with 6 GigaLAN (4 PoE), and 4 PCIe slots for entry-level GPU card expansion
- Security Surveillance: DIC series rack-mounted chassis for large-scale image recognition and data analysis
- Data Acquisition: DBC series compact, DIN-rail mount PC with rich I/O for industrial automation and IoT
- AGV: NBC series compact and lightweight design for easy integration into AGVs



Digital Forklift Systems - Energize Reliable Deliveries and Improve Customer Satisfaction

As warehouse intelligence continues to advance, the automation and informatization levels of forklifts in warehouses have also been significantly enhanced. Darveen's VT series of vehicle mount computers and RTC series of rugged tablets, equipped with rich I/O interfaces and data collection functions, cater to the operational needs of warehouses—from picking and receiving to inventory management. Through advanced wireless technology, they offer faster and more stable data transmission, providing more accurate and real-time data support for intelligent warehouse management.

Requirements

- Responsive all-in-one touchscreen with resistive or capacitive touch types
- Rugged design and fanless cooling for durability in harsh conditions
- Multiple I/O interfaces for connecting peripherals
- Strong wireless capabilities, including Bluetooth, Wi-Fi 6E, 5G/4G for seamless communication
- Wide-range power input to protect against power surges and ensure stable operation

Darveen's Solutions

- VT series: All-in-one computers with larger screens, physical keyboards, or function keys. RTC series: Rugged tablets, easy to carry for patrol applications
- IP67/IP66 protection and MIL-STD-810H/G compliant
- Rich I/O for connecting barcode readers, NFC, RFID readers, and printers
- Diverse wireless connectivity options including Wi-Fi 6E, Bluetooth, 4G/5G, and GNSS
- Versatile accessories with mounting brackets, keyboards, and antennas for the VT series, and docking station and charger for the RTC series





Field Workforce Management - Unstoppable Performance with Rugged Tablets

Darveen's rugged tablet PCs undergo rigorous testing to ensure unparalleled durability and resilience in extreme conditions. Engineered for enhanced productivity, our rugged tablet computers are versatile, providing optimal performance for the mobile workforce. They facilitate instantaneous communication and data exchange between field technicians and back-end operators. With rugged and durable features, they enable field personnel to work easily in harsh environments and extreme weather, enhancing efficiency and providing insights for decision-making.

Requirements

- Built to endure with IP protection and resistance to shocks, vibrations, and drops
- Long battery life with hot-swappable batteries for extended shifts
- Wireless connectivity for real-time data transmission
- Comfortable design for prolonged use
- High productivity features for secure login and data collection

Darveen's Solutions

- Complies with IP67 and MIL-STD-810H (4ft/1.2m drop protection)
- Dual hot-swappable batteries for extended field use (RTC-I116)
- Supports 4G, Wi-Fi, Bluetooth, and GNSS
- Slim and modern ergonomic design
- Integrated 1D/2D barcode reader, NFC, RFID for data collection, and fingerprint recognition for secure login
- Versatile connectivity with USB, LAN, HDMI, COM ports, and aviation plug
- Sunlight-readable 700-1,000 nits for outdoor visibility



Smart Ship - Navigate Toward a Smoother Future

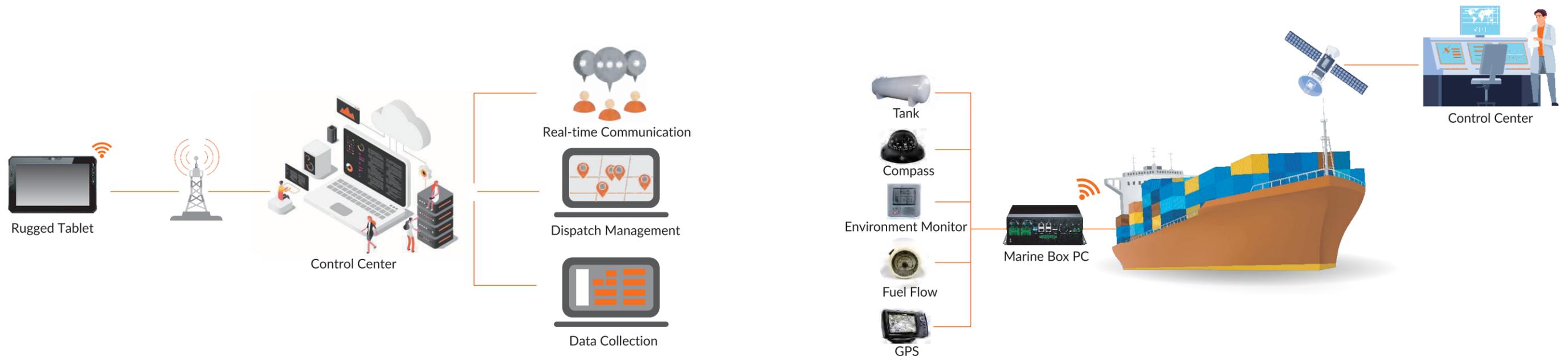
Marine computers are industrial-grade systems built to withstand the challenges of maritime environments. Designed for deployment on ships, they feature rugged construction, fanless design, and isolation protection, ensuring reliable performance even in extreme environment. Darveen's marine computers are built to endure harsh conditions at sea, offering stable operation for control, monitoring, and data collection. Ideal for applications on fishing boats, yachts, cargo ships, and sailboats, they deliver a dependable solution for marine IoT operations.

Requirements

- Handles extreme temperatures, vibrations, and electromagnetic interference
- Wireless real-time connectivity and positioning, supporting Wi-Fi, GNSS, 4G/5G, and Bluetooth
- Compact design to accommodate limited space on ships
- Wide power range compatibility
- Extensive I/O to collect data from sensors, GPS, depth sounders, etc.

Darveen's Solutions

- Rugged design with corrosion-resistant materials, optimized thermal management, and wide temp range
- Fanless cooling for stable performance in harsh environment
- Wi-Fi, Bluetooth, LTE/5G, GPS (Optional)
- Compact form factor for easy integration
- Wide-range power input
- Multiple I/O ports including NMEA 0183 (RS-422/485), USB, LAN, DIO, and CAN 2.0
- IEC 60945/61162-1/2, IACS E10 certified



Vehicle Mount Computers



A vehicle mount computer is an all-in-one solution that combines a computer and touchscreen with a user-friendly interface for vehicle installation, ideal for diverse environments like cranes, trucks, buses, mining vehicles, agricultural vehicles, and other tough environmental conditions. Darveen's vehicle mount computers support both Windows and Android systems and come with a range of accessories, including QWERTY keyboards, sunshades, antennas with various dBi gains, and mobile power sources with M12 IP65 plugs. Various mounting options are also available to meet specific installation requirements.



Diverse Product Selections

- 7" to 15" screens, capacitive or resistive touch
- Windows or Android OS
- Multiple CPU options: x86 and ARM-based



Rugged Reliability

- Die-cast aluminum, -30 to 60°C wide operating temp.
- Fanless, full IP66/IP65 protection
- Compliant with MIL-STD-810H/G



Advanced Wireless Connectivity

- Wi-Fi 7, Wi-Fi 6E, 5G/4G
- Bluetooth v5.4
- Supports GPS, GLONASS, Galileo, and Beidou positioning



Adaptable Power Supply

- Wide-voltage power input (8 to 36 VDC)
- Ignition control

Windows Vehicle Mount Computers

VT Series (OS: Windows)

- Intel® Core™ i5 / Celeron® processor
- 8" to 15" resistive or P-Cap touchscreen (1,000 nits)
- Available with numeric, function keys, or QWERTY keyboard
- Rugged aluminum enclosure and fanless design
- Full IP66 protection
- Compliant with MIL-STD-810H
- 8-36 VDC power input with ignition control
- Wi-Fi 7, Wi-Fi 6E, Bluetooth 5.4, 5G/4G, GPS, CAN2.0B



Android Vehicle Mount Computers

VT Series (OS: Android)

- Rockchip RK3399 / RK3588 processor
- 7" to 12.1" P-Cap touchscreen (400-750 nits)
- Available with numeric or function keys
- Rugged aluminum enclosure and fanless design
- Full IP65 protection
- Compliant with MIL-STD-810G
- 8-36 VDC power input with ignition control
- Wi-Fi 5, Bluetooth 4.2, 5G/4G, GPS



Fleet Management Terminals

FMT Series

- Intel® or Rockchip processor
- 8" and 10.1" P-Cap touchscreen (400-750 nits)
- Rugged metal enclosure and fanless design
- 8-36 VDC power input with ignition control
- Built-in Wi-Fi, Bluetooth, 5G/4G, GNSS, CAN2.0B
- Supports standard/M12/DT connectors



Railway Touch Panel PCs

TVP Series

- Intel® Celeron processor
- 10.4" P-Cap touchscreen
- Supports Windows or Linux OS
- Supports M12 connectors
- IP65 front panel protection
- Wi-Fi, Bluetooth, 4G LTE, GPS, CAN (optional)



Vehicle Mount Computers

Windows Vehicle Mount Computers



Product Model		VT-776	VT-776W	VT-876
Display	Size	10.4 inch	10.1 inch	12.1 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)		
	Resolution	1024x768	1920x1200	1024x768
	Luminance	1000 nits		
System	CPU	Intel® Celeron® J6412, quad core (2.0GHz)		
	Memory	4GB DDR4-2666 SO-DIMM (up to 32GB)		
	Storage	128GB M.2 SSD (up to 2TB)		
Keypad & Keyboard	Keypad	Power On/Off Brightness and volume adjustment F1-F6 user-defined function keys Power LED indicator	Power On/Off Brightness and volume adjustment 0-9 numeric, Enter and Backspace F1-F6 user-defined function keys Power LED indicator	
I/O Port	USB	2x USB 3.0 (Type A)		
	Serial	1x RS-232/422/485 (COM1 supports 5V/12V, DB9)		
	Ethernet	1x GbE LAN (RJ45)		
	Audio	3.5mm Audio Jack (Mic-in/Line-out)		
	Display	N/A		
	SIM Card Slot	1x SIM Socket		
	CAN bus	Optional		
	Antenna	2 to 8x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)		
RF Communication	Wi-Fi	Wi-Fi 6E: 802.11a/b/g/n/ac/ax, 2.4G/5G/6G (optional) Wi-Fi 7: 802.11a/b/g/n/ac/ax/be, 2.4G/5G/6G (optional)		
	Cellular	4G, LTE (optional) 5G, NSA/SA (optional)		
	Bluetooth	Bluetooth 5.3 (depends on Wi-Fi 6E, optional) Bluetooth 5.4 (depends on Wi-Fi 7, optional)		
	GNSS	GPS, GLONASS, Galileo, BeiDou (optional, Ublox NEO M8N)		
Audio	Speaker	8Ω/2W, dual studio speakers		
	DC Input	8 to 36VDC		
Power	Ignition On/Off	Power on delay, default 10 seconds Power off delay, default 10 seconds (On/Off delay time can be changed via BIOS setting)		
Operating System	Windows	Windows 11 IoT Enterprise LTSC Windows 10 IoT Enterprise LTSC Windows 11 Pro Windows 10 Pro		
Mechanical	Dimensions (W x D x H)	280 x 230 x 69 mm (11.02 x 9.06 x 2.72 inches)	280 x 210 x 46 mm (11.02 x 8.27 x 1.81 inches)	300 x 260 x 58 mm (11.81 x 10.24 x 2.28 inches)
	Weight (N.W.)	3.0 kg (6.61 lbs)	2.2 kg (4.85 lbs)	3.8 kg (8.38 lbs)
	Mounting	VESA		
Environment	Operating Temperature	-30°C to 60°C (-22°F to 140°F)		
	Shock	MIL-STD-810H		
	Vibration	MIL-STD-810H		
	IP Rating	IP66		



Product Model		VT-976	VT-879	VT-979
Display	Size	15 inch	12.1 inch	15 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)		
	Resolution	1024x768		
	Luminance	1000 nits		
System	CPU	Intel® Celeron® J6412, quad core (2.0GHz)	Intel® Core™ i5-1235U, Intel 7, 10-core (2P8E), Max Turbo 4.4GHz	
	Memory	4GB DDR4-2666 SO-DIMM (up to 32GB)	8GB DDR4-2666 SO-DIMM (up to 32GB)	
	Storage	128GB M.2 SSD (up to 2TB)	256GB M.2 SSD (up to 2TB)	
Keypad & Keyboard	Keypad	Power On/Off, Brightness and volume adjustment 0-9 numeric, Enter and Backspace F1-F6 user-defined function keys Power LED indicator		
I/O Port	USB	2x USB 3.0 (Type A)	6x USB 3.0 (Type A)	
	Serial	1x RS-232/422/485 (COM1 supports 5V/12V, DB9) 1x RS-232 (COM2 supports 5V, DB9)	1x RS-232 (COM1, DB9)	
	Ethernet	1x GbE LAN (RJ45)	2x GbE LAN (RJ45)	
	Audio	3.5mm Audio Jack (Mic-in/Line-out)		
	Display	N/A	1x HDMI (Type A) 1x DP++ (Type A)	
	SIM Card Slot	1x SIM Socket		
	CAN bus	Optional		
	Antenna	2 to 8x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)		
RF Communication	Wi-Fi	Wi-Fi 6E: 802.11a/b/g/n/ac/ax, 2.4G/5G/6G (optional) Wi-Fi 7: 802.11a/b/g/n/ac/ax/be, 2.4G/5G/6G (optional)		
	Cellular	4G, LTE (optional) 5G, NSA/SA (optional)		
	Bluetooth	Bluetooth 5.3 (depends on Wi-Fi 6E, optional) Bluetooth 5.4 (depends on Wi-Fi 7, optional)		
	GNSS	GPS, GLONASS, Galileo, BeiDou (optional, Ublox NEO M8N)		
Audio	Speaker	8Ω/2W, dual studio speakers		
	DC Input	8 to 36VDC		
Power	Ignition On/Off	Power on delay, default 10 seconds Power off delay, default 10 seconds (On/Off delay time can be changed via BIOS setting)	N/A	
Operating System	Windows	Windows 11 IoT Enterprise LTSC Windows 10 IoT Enterprise LTSC Windows 11 Pro Windows 10 Pro		
Mechanical	Dimensions (W x D x H)	355 x 304 x 69 mm (13.98 x 11.97 x 2.72 inches)	300 x 260 x 58 mm (11.81 x 10.24 x 2.28 inches)	355 x 304 x 69 mm (13.98 x 11.97 x 2.72 inches)
	Weight (N.W.)	4.8 kg (10.58 lbs)	3.8 kg (8.38 lbs)	4.8 kg (10.58 lbs)
	Mounting	VESA		
Environment	Operating Temperature	-30°C to 60°C (-22°F to 140°F)		
	Shock	MIL-STD-810H		
	Vibration	MIL-STD-810H		
	IP Rating	IP66		

Vehicle Mount Computers

Android Vehicle Mount Computers



Product Model		VT-540A	VT-640A	VT-740A
Display	Size	7 inch	8 inch	10.4 inch
	Touch Type	Projected capacitive multi touch		
	Resolution	800 x 480	1280 x 720	1024 x 768
	Luminance	400 nits	750 nits	400 nits
System	CPU	Rockchip RK3399, 2-core A72 + 4-core A53, 1.8 GHz		
	Memory	4GB DDR4-1866 on board		
	Storage	32GB EMMC on board		
Keypad & Keyboard	Keypad	Power On/off Brightness and volume adjustment 0-9 numeric, enter and backspace F1-F6 function keys	Power On/Off Brightness adjustment Power LED indicator	Power On/Off Brightness adjustment F1-F6 user-defined function keys
	I/O Port	USB Serial Ethernet SIM Card Slot TF Card Slot CAN bus Antenna	1x USB 2.0/OTG 1x USB 2.0 1x COM (RS-232) 1x GbE LAN 1x Nano SIM socket 1x TF Socket (up to 128GB) Optional 2 to 4x TNC connector for external antenna	1x USB 2.0/OTG 1x USB 2.0 1x COM (RS-232) 1x GbE LAN 1x Nano SIM socket 1x TF Socket (up to 128GB) Optional 2 to 4x TNC connector for external antenna
RF Communication	Wi-Fi	Wi-Fi 5: 802.11a/b/g/n/ac, 2.4G/5G(optional)		
	Cellular	4G, LTE 5G, NSA/SA (optional)		
	Bluetooth	Bluetooth 4.2		
GNSS	GPS, GLONASS, Galileo, BeiDou			
Audio	Speaker	8Ω/2W, mono speaker		
Power	DC Input	8 to 36V DC		
Operating System	Android	Android11		
Mechanical	Dimensions (W x D x H)	240 x 190 x 59 mm (9.45 x 7.48 x 2.32 inches)	240 x 190 x 53 mm (9.45 x 7.48 x 2.09 inches)	280 x 239 x 69 mm (11.02 x 9.41 x 2.72 inches)
	Weight (N.W.)	1.8 kg (3.97 lbs)	1.8 kg (3.97 lbs)	3.0 kg (6.61lbs)
	Mounting	VESA		
Environment	Operating Temperature	-20°C to 60°C (-4°F to 140°F)		
	Shock	MIL-STD-810G		
	Vibration	MIL-STD-810G		
	IP Rating	IP65		



Product Model		VT-760A	VT-840A
Display	Size	10.1 inch	12.1 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1280 x 800	1024 x 768
	Luminance	400 nits	500 nits
System	CPU	Rockchip RK3399, dual core A72 + quad core A53 (1.8 GHz)	
	Memory	4GB DDR4-1866 on board	
	Storage	32GB EMMC on board	
Keypad & Keyboard	Keypad	Power On/Off Brightness adjustment F1-F6 user-defined function keys	Power On/Off Brightness and volume adjustment 0-9 numeric, Enter and Backspace F1-F6 user-defined function keys
	I/O Port	USB Serial Ethernet SIM Card Slot TF Card Slot CAN bus Antenna	1x USB 2.0/OTG 1x USB 2.0 1x COM (RS-232) 1x GbE LAN 1x Nano SIM socket 1x TF Socket (up to 128GB) Optional 2 to 4x TNC connector for external antenna
RF Communication	Wi-Fi	Wi-Fi 5: 802.11a/b/g/n/ac, 2.4G/5G(optional)	
	Cellular	4G, LTE 5G, NSA/SA (optional)	
	Bluetooth	Bluetooth 4.2	
GNSS	GPS, GLONASS, Galileo, BeiDou		
Audio	Speaker	8Ω/2W, dual studio speakers	
Power	DC Input	8 to 36V DC	
Operating System	Android	Android 11	
Mechanical	Dimensions (W x D x H)	280 x 210 x 47.5 mm (11.02 x 8.27 x 1.87 inches)	320 x 260 x 66 mm (12.60 x 10.24 x 2.60 inches)
	Weight (N.W.)	2.2 kg (4.85 lbs)	3.8 kg (8.38 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-20°C to 60°C (-4°F to 140°F)	
	Shock	MIL-STD-810G	
	Vibration	MIL-STD-810G	
	IP Rating	IP65	

Fleet Management Terminals



Product Model		FMT-615A	FMT-715A
Display	Size	8 inch	10.1 inch
	Touch Type	Projected capacitive multi touch	
	Resolution	1280 x 720	1280 x 800
	Luminance	750 nits	400 nits
System	CPU	Rockchip RK3568, quad core (2.0 GHz)	
	Memory	4GB LPDDR4-3200 on board	
	Storage	32GB eMMC 5.1	
Keypad & Keyboard	Keypad	Power On/Off Brightness adjustment Power LED indicator	
	I/O Port	USB Serial Ethernet Display SIM Card Slot TF Card Slot CAN bus Antenna	3x RS-232 (COM1/2/3, DB9)
RF Communication	Wi-Fi	Wi-Fi 5: 802.11a/b/g/n/ac, 2.4G/5G	
	Cellular	4G, LTE 5G, NSA/SA (optional)	
	Bluetooth	Bluetooth 4.0/5.3	
	GNSS	GPS, GLONASS, Galileo, BeiDou (Ublox NEO M8N)	
Audio	Speaker	8Ω/2W, mono speaker	
	DC Input	8-36V DC	
Power	Ignition On/Off	Optional, Power mode should be changed to AT mode, Power on delay, default 10 seconds Power off delay, default 10 seconds	
	Operating System	Android	Android 11
Mechanical	Dimensions (W x D x H)	235 x 180 x 45 mm (9.25 x 7.09 x 1.77 inches)	270 x 210 x 46.5 mm (9.25 x 7.09 x 1.77 inches)
	Weight (N.W.)	1.8 kg (3.97 lbs)	2.2 kg (4.85 lbs)
	Mounting	VESA	
Environment	Operating Temperature	-20°C to 60°C (-4°F to 140°F)	
	Shock	MIL-STD-810G	
	Vibration	MIL-STD-810G	
	IP Rating	IP65 front panel	

Railway Touch Panel PC



Product Model		TVP-110
Display	Size	10.4 inch
	Touch Type	Projected capacitive multi touch
	Resolution	1024 x 768
	Luminance	500 nits
System	CPU	Intel® Quad-Core Celeron® J1900 (2.0GHz) Processor
	Memory	1x SO-DIMM DDR3L-1333/1600 (up to 8GB)
	Storage	1x Full-size Mini-PCIe for mSATA SSD
Keypad & Keyboard	Keypad	32 keys (See the manual for the definition)
I/O Port	USB	2x USB2.0
	Serial	2x RS-422/485, 2500V DC isolation
RF Communication	Ethernet	2x GbE LAN, 2500V DC isolation
	Wi-Fi	Optional
	Cellular	Optional
	Bluetooth	Optional
Audio	GNSS	Optional
	Audio	1x Line-out, 1x Mic-in
Power	DC Input	110VDC (± 40%, Default, optional 24/48/72V)
	Operating System	Windows Linux
Mechanical	Windows	Windows 10 IoT Enterprise
	Linux	Linux
	Dimensions (W x D x H)	305 x 235 x 65 mm (12.01 x 9.25 x 2.56 inches)
Environment	Weight (N.W.)	3.2 kg (7.05 lbs)
	Mounting	Panel-mount
Environment	Operating Temperature	-40°C to 70°C (-40°F to 158°F)
	IP Rating	IP65 (front panel)



Darveen's VC and MVC series are rugged in-vehicle box computers designed for demanding environments in trucks, buses, and commercial vehicles. With advanced cooling, shock, and vibration resistance, they ensure stable performance during mobile operations. Supporting diverse peripherals and sensor connectivity, they are ideal for data collection, control, and GPS tracking in fleet management applications.



Seamless Wireless Connectivity

- Wi-Fi 6, Bluetooth, 5G/4G, GPS, GLONASS, Galileo, Beidou
- Facilitating real-time order dispatch and vehicle tracking



Rich I/O Interfaces and Rugged M12 Connectors

- Rich I/O interfaces, including CAN Bus
- MVC series with M12 connectors



Rugged Reliability

- Fanless design
- -30 to 70°C wide operating temp
- Compliant with MIL-STD-810G shock and vibration resistant



Adaptable Power Connectivity

- 8-36 VDC wide-voltage input
- Ignition control

In-Vehicle Box Computers

VC Series

- Intel® Celeron® processor
- Rugged aluminum enclosure and fanless design
- Wide range 8-36V DC Power input with ignition control
- Optional for Wi-Fi, Bluetooth, 5G/4G, GPS, CAN2.0B
- Wide operating temperature range of -30°C to 70°C
- Compliant with MIL-STD-810G shock and vibration resistant



In-Vehicle Box Computers with M12 Connectors

MVC Series

- Intel® Core™ i7/i5 / Celeron® processor
- Rugged and fanless design with M12 connectors
- Wide range 8-36V DC Power input with ignition control
- Optional support Wi-Fi, Bluetooth, 5G/4G, GPS, CAN2.0
- Wide operating temperature range of -30°C to 70°C
- Compliant with MIL-STD-810G shock and vibration resistant



In-Vehicle Box Computers



Product Model		VC-3000
System	CPU	Intel® Celeron® J1900 Quad-core Processor (2.0GHz)
	Memory	1 x SO-DIMM DDR3L-1333/1600 (up to 8GB)
	Storage	1 x Mini-PCIe for mSATA SSD
	Graphics	Intel® HD Graphics
I/O Port	USB	1x USB3.0, 1x USB2.0
	Serial	1x RS-232/422/485, 1x RS232
	Ethernet	1x GbE LAN
	PoE	N/A
	Display	1x VGA: max resolution up to 4096*2304@60Hz
	SIM Card Slot	1x Nano-SIM Card slot
	CAN bus	2x Isolated CAN2.0B (optional)
	GPIO	4DI/2DO (Optional, with 3.3V power)
	Antenna	4x SMA Holes
Expansion Slot	Mini PCIe	2x Mini PCIe slot, 1x Mini PCIe for SSD
	Wi-Fi	802.11 a/b/g/n/ac/ax (optional)
RF Communication	Cellular	4G/LTE(optional)
	Bluetooth	BT 4.0/5.2 (optional)
	GNSS	GPS, Glonass, BeiDou, Galileo (optional)
Audio	Audio	1x Line-out
	Button	Yes
Power	DC Input	8 to 36VDC
	Power Consumption	10W
	Ignition On/Off	Power on delay, default 10 seconds; Power off delay, default 10 seconds; (On/Off delay time can be changed via BIOS setting)
	Battery	N/A
	Power Adaptor	ATX
Operating System	Windows	Windows 7, Windows 10
	Linux	Ubuntu
Mechanical	Dimensions (W x D x H)	240 x 180 x 59 mm (9.45 x 7.09 x 2.32 inches)
	Weight (N.W.)	2.1 kg (4.63 lbs)
	Mounting	Desktop
	Material	Aluminum
Environment	Operating Temperature	-30°C to 70°C (-22°F to 158°F)
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)
	Relative Humidity	5 to 95%, non-condensing
Certification	EMC	CE, FCC, Class A

In-Vehicle Box Computers with M12 Connectors



Product Model		MVC-3000	MVC-3100	MVC-4246
System	CPU	Intel® Celeron® J1900 Quad-core Processor (2.0GHz)	Intel® Celeron® J6412 Quad-core Processor (2.0GHz)	Intel® Core™ i5-8265U/ i7-8565U processor
	Memory	1 x SO-DIMM DDR3L (up to 8GB)	1x DDR4 SODIMM (up to 32GB)	2x DDR4 SODIMM (up to 32GB)
	Storage	1 x Mini-PCIe for mSATA SSD	1x M.2 2280 SATA SSD	1 x Full-size Mini-PCIe for mSATA
	Graphics	Intel® HD Graphics		
I/O Port	USB	2x USB2.0 (M12)	2x USB2.0 (M12)	4x USB2.0 (M12) 4x USB3.0(Type A)
	Serial	1x RS-232/422/485, 1x RS232 (M12)	1x RS-232/485, 1x RS232 (M12)	6x RS-232/485 (M12, Isolated)
	Ethernet	1x GbE LAN (M12)	2x GbE LAN (M12)	2x GbE LAN (M12) 2x GbE LAN (RJ45)
	PoE	N/A	N/A	2x PoE/PoE+ (optional)
	Display	1x VGA (M12)	1x HDMI (M12)	1x VGA (M12) 1x VGA (DB15)
	SIM Card Slot	N/A	1x Nano-SIM Card slot	N/A
	CAN bus	2x Isolated CAN2.0B (optional)	2x Isolated CAN2.0B	2x Isolated CAN2.0B (optional)
	GPIO	N/A	4DI and 4DO (Isolated)	N/A
	Antenna	4x SMA Holes	5x SMA Holes	
Expansion Slot	Mini PCIe	2x Mini PCIe slot, 1 x Mini PCIe for SSD	3x Mini PCIe (USB2.0), 1 x mini PCIe (USB3.0+2.0,Support 5G)	2x mini PCIe (one is for mSATA)
	M.2	NA	1 x M.2 3052 key B slot 1 x M.2 2230 Key-E slot	1x M.2 3052 key B for 4G/5G
RF Communication	Wi-Fi	802.11 a/b/g/n/ac/ax (optional)		
	Cellular	4G/LTE(optional)		
	Bluetooth	BT 4.0/5.2 (optional)		
	GNSS	GPS,Glonass,BeiDou,Galileo(optional)		
Audio	Audio	1x Line-out		1x Line-out, 1x MIC in
	Button	Yes		
Power	DC Input	8 to 36VDC	9 to 36VDC(M12-3P)	9 to 36VDC(M12-3P)
	Power Consumption	10W		12W (Power adapter must be at least 72W)
	Ignition On/Off	Power on delay, default 10 seconds; Power off delay, default 10 seconds; (On/Off delay time can be changed via BIOS setting);		Optional, 5 to 32VDC-in, Vehicles need to have ACC signal Delay start, default 5 seconds Delay shutdown, default 10 seconds (Can be set by jumper)
	Battery	3350mAh,7.2V(Optional, with switch)		Optional, 10~28V DC-in, Built-in 3350mAH lithium battery Delay start, default 5 seconds Delay shutdown, default 10 seconds (Can be set by jumper)
	Power Adaptor	ATX	ATX/AT	ATX/AT
Operating System	Windows	Windows 7, Windows 10	Windows 10, Windows 11	Windows 10
	Linux	Ubuntu	Ubuntu20.04	Ubuntu
Mechanical	Dimensions (W x D x H)	240 x 180 x 59 mm (9.45 x 7.09 x 2.32 inches)	270 x 159.4 x 59 mm (10.63 x 7.69 x 2.33 inches)	273.6 x 199.2 x 65.6 mm (10.78 x 7.84 x 2.58 inches)
	Weight (N.W.)	2.2 kg (4.85 lbs)	2.5 kg (5.51 lbs)	4 kg (8.82 lbs)
	Mounting	Desktop		
	Material	Aluminum	Aluminum and SGCC	Aluminum and SGCC
Environment	Operating Temperature	-30°C to 70°C (-22°F to 158°F)		
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)		
	Relative Humidity	5 to 95%, non-condensing		
Certification	EMC	CE, FCC, Class A		

Rugged Tablets



Darveen's rugged tablet PCs undergo rigorous testing to ensure unparalleled durability and resilience in extreme conditions. Engineered for enhanced productivity, our rugged tablet computers are versatile, providing optimal performance for the mobile workforce.



Versatile Options

- Choose from Windows or Android OS, x86/ARM CPU options
- 8", 10.1" or 11.6" screen
- Supports handwriting, glove, stylus, and wet touch



Rugged Build

- Withstands extreme temps, shocks, vibrations, drops
- IP67/IP66 and MIL-STD-810H shock & vibration proof
- Drop protection up to 1.2 m (4 ft)



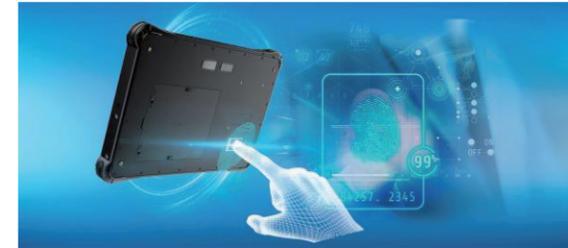
Seamless Wireless Connectivity

- Wi-Fi, Bluetooth, and 5G/4G connectivity
- Ideal for field service applications



High Productivity

- Rich I/O: USB, Type-C, LAN, COM, mini HDMI, aviation plug
- 1D/2D barcode scanning, RFID reading, and fingerprint identification
- Sunlight-readable screen



Enhanced Data Security

- Fingerprint, smart card, and facial recognition login
- TPM2.0



Long-Lasting Hot-swap Battery

- 10,000 mAh battery for Android series
- Hot-swappable dual batteries for RTC-I116

Windows Rugged Tablets

RTC Series

- 12th gen Intel® Core™ i7/ i5 / Celeron® processor
- 8", 10.1", and 11.6" screen size, sunlight readable
- Integrated 1D/2D barcode reader, NFC, RFID, fingerprint for data collection
- Supports 4G, Wi-Fi, Bluetooth, and GNSS
- Rich I/O interfaces, including COM, LAN, USB, HDMI
- Removable high-capacity battery design
- Hot-swappable dual-battery design (RTC-I116 only)
- IP67/IP66 and MIL-STD-810H certified



Android Rugged Tablets

RTC Series

- MediaTek MT6771 Octa-core processor
- 8" and 10.1" screen size, sunlight readable
- Integrated 1D/2D barcode reader, NFC, RFID, fingerprint for data collection
- Supports 4G, Wi-Fi, Bluetooth, and GNSS
- Rich I/O interfaces, including COM, LAN, USB, HDMI
- Removable high-capacity battery design
- IP67 and MIL-STD-810H certified



Darveen provides a full suite of accessories that bring ease of use and management.

				
Office Docking	Vehicle Docking	Hand Strap	Shoulder Strap	Vehicle Charger

Rugged Tablets

Windows Rugged Tablets



Product Model		RTC-I81	RTC-I101	RTC-I116	
Display	Size	8 inch	10.1 inch	11.6 inch	
	Resolution	800 x 1280	800 x 1280 (1200 x 1920 optional)	1920 x 1080	
	Luminance	700 nits		1,000 nits	
System	CPU	Intel® Celeron® N5100 (Jasper Lake), 4 MB Intel® Smart Cache, up to 2.8 Ghz		Intel® Core™ i5-1235U, 2P-Cores, 8-Cores, 12 threads, 1.3 GHz-4.4 GHz Intel® Core™ i7-1255U, 2P-Cores, 8-Cores, 12 threads, 1.7 GHz-4.7 GHz	
	Memory	4GB LPDDR4 (optional 8GB)		16 GB LPDDR5 (up to 32 GB, optional)	
	Storage	64GB SSD (optional 128GB)		256 GB NVMe PCIe SSD(up to 1 TB,optional)	
	TPM	N/A		TPM 2.0	
	Camera	Front: 5MP fixed-focus camera Rear: 8MP autofocus camera with flash		Front: 5MP fixed focus camera Rear: 12MP autofocus camera with flash	
I/O Ports	USB	1x USB 3.0 Type A 1x USB 2.0 Type C (supports power charging and data transfer)		2x USB 3.0 Type-A, 1x Type-C (supports power charging and data transfer)	
	Ethernet	1x RJ45 10/100/1000M			
	Display	1x Mini HDMI			
	SIM Card Slot	1x Micro SIM card slot		1x Nano SIM card slot	
	TF Card Slot	1x TF card slot, up to 256GB		N/A	
	Expansion port	2x Aviation plug (choose two out of three from USB, RS232 or DC-in, optional)		2x COM(1x RS232/422/485,1x RS232, optional)	
	Docking Connector	1x 12-Pin		1x 24 pin	
Wireless Connectivity	Wi-Fi	Wi-Fi 802.11 (a/b/g/n/ac), dual band (2.4G + 5.8G)		Wi-Fi 6E 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax	
	Cellular	WCDMA: B1/B2/B4/B5/B6/B8/B19 LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28 LTE TDD: B38/B39/B40/B41		WCDMA: B1/B2/B4/B5/B6/B8/B19 LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B66/B71 LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B48	
		Bluetooth	Bluetooth® V4.2		Bluetooth® V5.3
		GNSS	GPS, GLONASS, BeiDou		
	Data Collection (Optional)	NFC	13.56MHz, supports ISO/IEC 14443A/14443B/15693/18092/mifare Card reading distance: 2 to 5cm		
RFID		UHF RFID, supports PR9200			
Barcode Reader		1D, 2D barcode reader			
Fingerprint		FBI/ISO/GA certification		Windows Hello	
Audio	Speaker	8Ω/1W, dual stereo speakers		8Ω/2W, dual stereo speakers	
	MIC	Built-in microphone		Dual microphone	
Power	DC Input	100-240V, 50-60Hz, 12VDC		100-240V, 50Hz-60Hz, 65W	
	Battery	Removable lithium-ion polymer battery, 7.6V 5000mAh		Dual batteries, hot-swappable, 7.7V 58Whr, with battery indicator	
	Battery Life	6 hours			
Operating System	Windows	Windows 10, Windows 11			
Mechanical	Dimensions (W x D x H)	236.5 x 156 x 23mm (9.31 x 6.14 x 0.91 inches)	280 x 188 x 23mm (11.02 x 7.40 x 0.91 inches)	315 x 203 x 20 mm (12.40 x 7.99 x 0.79 inches)	
	Weight (N.W.)	900g (1.98lbs)	1200g (2.65 lbs)	1550 g (3.42 lbs)	
Environment	Operating Temperature	-10 °C to 50 °C (14 to 122°F)		-20 °C to 60 °C (-4 to 140°F)	
	Vibration	MIL-STD-810H: 2022 Method 514.8 Procedure I			
	Drop	MIL-STD-810H: 2022 Method 516.8 Procedure IV, 4 ft/1.2 m			
	IP Rating	IP67		IP66	
Certification	EMC	CE, FCC			

Android Rugged Tablets



Product Model		RTC-M81	RTC-M101	
Display	Size	8 inch	10.1 inch	
	Resolution	800 x 1280	800 x 1280 (1200 x 1920 optional)	
	Luminance	700 nits		
System	CPU	MTK MT6771, ARM Cortex-A73 Quad-core 2.0 Ghz,ARM Cortex-A53 Quad-core 2.0GHz		
	Memory	4GB LPDDR4 (optional 6GB)		
	Storage	64GB EMMC (optional 128GB)		
	Camera	Front: 5MP fixed-focus camera Rear: 13MP autofocus camera with flash		
I/O Ports	USB	1x USB 3.0 Type-A 1x USB 2.0 Type-C (supports power charging and data transfer)		
	Ethernet	1x RJ45,10/100M		
	Display	1x Mini HDMI		
	SIM Card Slot	1x Micro SIM card slot		
	TF Card Slot	1x TF card slot, up to 256GB		
	Aviation Plug	2x Aviation plug (choose two out of three from USB, RS232 or DC-in)		
Wireless Connectivity	Docking Connector	1x 12-Pin		
	Wi-Fi	Wi-Fi 802.11 (a/b/g/n/ac), dual band (2.4G + 5.8G)		
	Cellular	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B5/B8 TD-SCDMA:B38/B39/B40/B41 CDMA2000: BC0/BC1 FDD: B1/B3/B5/B8/B20/B28a/B28b or B2/B4/B7/17 TDD: B34/B38/B39/B40/B41		
		Bluetooth	Bluetooth® V4.2	
		GNSS	GPS, GLONASS, BeiDou	
Data Collection (Optional)	NFC	13.56MHz, supports ISO/IEC 14443A/14443B/15693/18092/mifare Card reading distance: 2 to 5cm		
	RFID	UHF RFID, supports PR9200		
	Barcode Reader	1D, 2D barcode reader		
Audio	Speaker	8Ω/1W, dual stereo speakers		
	MIC	Built-in microphone		
Power	DC Input	100-240V, 50-60Hz, 5VDC		
	Battery	Removable lithium-ion polymer battery, 3.8V 10000mAh		
Operating System	Battery Life	8 hours		
	Android	Android 11		
Mechanical	Dimensions(W x D x H)	236.5 x 156 x 23mm (9.31 x 6.14 x 0.91 inches)	280 x 188 x 23mm (11.02 x 7.40 x 0.91 inches)	
	Weight (N.W.)	850g (1.87lbs)	1150g (2.54 lbs)	
Environment	Operating Temperature	-10 °C to 50 °C (14 to 122°F)		
	Vibration	MIL-STD-810H: 2022 Method 514.8 Procedure I		
	Drop	MIL-STD-810H: 2022 Method 516.8 Procedure IV, 4 ft/1.2 m		
Certification	IP Rating	IP67		
	EMC	CE, FCC		

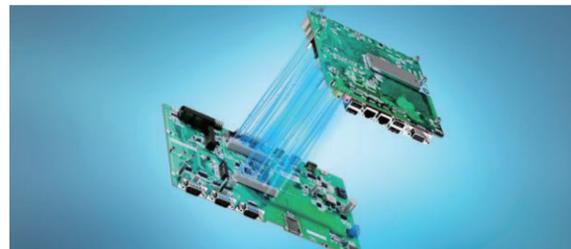


To meet diverse commercial and industrial needs, Darveen provides a comprehensive range of industrial panel PCs designed for industries such as industrial field, food processing, and healthcare applications. Darveen continuously innovates all-in-one PCs that deliver the performance and reliability expected by various sectors. These panel PCs serve as reliable HMI solutions for monitoring, controlling and interfacing in industrial environments.



Full Selections and Various Functionalities

- Versatile options for unique environment and computing requirements
- Offers various screen sizes, touch types, properties, and CPU performance options



Unique System Design

- Modular design supports I/O board customization and easy CPU upgrades



Rugged Design

- Fanless cooling
- Isolated serial ports and isolated power board
- IP66/IP65, wide voltage input, and wide operating temperature



Flexible Installation and Comprehensive Accessories

- Supports VESA and panel mounts
- Offers accessories and mounting brackets

Industrial Panel PCs

DPC Series

- Processor:
 - DPC-7000 and DPC-8000 series: 10th Gen high-performance Intel® Core™ i processor
 - DPC-9000 series: High-performance Intel® Core™ i / Celeron® processor
- Screen size:
 - DPC-7000 and DPC-8000 series: 15.6" to 21.5" LCD with P-Cap or resistive touchscreen
 - DPC-9000 series: 8" to 21.5" LCD with P-Cap or resistive touchscreen
- Rugged aluminum housing and fanless design
- CPU and I/O boards connect via high-speed connectors, allowing easy CPU upgrades
- Supports Wi-Fi 6 (DPC-7000), Bluetooth, 4G, and 5G
- IP65 front panel



Android Panel PCs

APC Series

- Rockchip RK3399 or RK3568 processor
- 10.1" to 15.6" LCD with P-Cap touchscreen
- Rugged aluminum enclosure and fanless design
- Supports Wi-Fi, 4G, and 5G
- IP65 front panel



Stainless Steel Panel PCs

SPC Series

- 12th Gen high-performance Intel® Core™ i5 or Celeron® processor
- 10.4" to 18.5" LCD with resistive or P-Cap touchscreen
- Stainless steel SUS 304 or 316 housing
- Full IP66 and M12 I/O connectors
- Optional Wi-Fi, Bluetooth



Stainless Steel Front Bezel Panel PCs

SFPC Series

- 10th Gen high-performance Intel® Core™ i7/i5 or Celeron® processor
- Stainless steel SUS 304 front bezel
- 12.1" and 15" LCD with resistive or P-Cap touchscreen
- IP65 front panel
- Optional Wi-Fi, Bluetooth



IP65 Waterproof Panel PCs

RPC Series

- High-performance Intel® Core™ i / Celeron® processor
- 12" to 21.5" LCD with resistive or P-Cap touchscreen
- Rugged aluminum housing and fanless design
- Full IP65 and M12 I/O connectors
- Optional Wi-Fi, Bluetooth, 4G



Medical Panel PCs

MPC Series

- High-performance Intel® Core™ i / Celeron® processor
- 13.3" to 18.5" LCD with P-Cap touchscreen
- Aluminum front bezel and PC/ABS rear cover
- Supports Wi-Fi, 9-36V isolated power supply
- EN 60601-1 certified



Marine Panel PCs

MP Series

- 10th Gen high-performance Intel® Core™ i7/i5 or Celeron® processor
- 21.5" to 27" LCD with P-Cap touchscreen
- Rugged aluminum enclosure, fanless design
- Integrated brightness adjustment knob
- 9-36 VDC power input
- IP65 front panel



Need brackets or peripherals for your all-in-one panel PCs? We offer a wide selection of peripherals for various installations and applications. Please contact our sales team.

Industrial Panel PCs



Product Model		DPC-7156	DPC-7185	DPC-7210
Display	Size	15.6 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)		
	Resolution	1920 x 1080		
	Luminance	450 nits	350 nits	250 nits
	LED Lifetime	50000hrs	30000hrs	40000hrs
System	CPU	Intel® Core™ i5-10210U, 1.6GHz Intel® Core™ i7-10710U, 1.1GHz		
	Memory	2x DDR4 2666 SO-DIMM (up to 64GB)		
	Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 3.0		
	Serial	3x COM (1x RS-232, 2x RS-232/422/485)		
	Ethernet	2x GbE LAN		
	Display	1x HDMI, 1x VGA		
	GPIO	optional		
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
	M.2	1x M.2 3042 for 4G 1x M.2 3052 for 5G		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Audio	Audio	Mic in, line out		
	Speaker	2Ω 5W speaker		
Power	DC Input	9 to 36VDC		
	Power Adaptor	AC-DC, 12V@7A, 84W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	399 x 249 x 73 mm (15.67 x 9.80 x 2.87 inches)	467.4 x 288 x 73 mm (18.41 x 11.34 x 2.87 inches)	528 x 326 x 73 mm (20.83 x 12.83 x 2.87 inches)
	Weight (N.W.)	5.1 kg (11.24 lbs)	6.5 kg (14.33 lbs)	7.9 kg (17.4 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)		
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		

Industrial Panel Computers

Industrial Panel PCs



Product Model		DPC-8156	DPC-8185	DPC-8210
Display	Size	15.6 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)		
	Resolution	1920 x 1080		
	Luminance	450 nits	350 nits	250 nits
	LED Lifetime	50000hrs	30000hrs	40000hrs
System	CPU	Intel® Core™ i5-10210U, 1.6GHz Intel® Core™ i7-10710U, 1.1GHz		
	Memory	2x DDR4 2666 SO-DIMM (up to 64GB)		
	Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 3.0		
	Serial	3x COM (1x RS-232, 2x RS-232/422/485)		
	Ethernet	4x GbE LAN		
	Display	1x HDMI		
	GPIO	optional		
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
	M.2	N/A		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	N/A		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	N/A		
Audio	Audio	Mic in, line out		
	Speaker	2Ω 5W speaker		
Power	DC Input	9 to 36VDC		
	Power Adaptor	AC-DC, 12V@7A, 84W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	399 x 249 x 73 mm (15.67 x 9.80 x 2.87 inches)	467.4 x 288 x 73 mm (18.41 x 11.34 x 2.87 inches)	528 x 326 x 73 mm (20.83 x 12.83 x 2.87 inches)
	Weight (N.W.)	5.5 kg (12.13 lbs)	5.8 kg (12.79 lbs)	7.9 kg (17.4 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)		
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		



Product Model		DPC-9080	DPC-9100	DPC-9120	DPC-9150
Display	Size	8 inch	10.1 inch	12.1 inch	15 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	1024 x 768	1280 x 800	1024 x 768	1024 x 768
	Luminance	400 nits	350 nits	450 nits	350 nits
	LED Lifetime	30000hrs	25000hrs	50000hrs	50000hrs
System	CPU	Intel® Celeron® J1900 processor	Intel® Celeron® J1900 processor Intel® Celeron® J6412 processor	Intel® Celeron® J6412 processor Intel® Core™ i5-6200U processor Intel® Core™ i5-10210U processor Intel® Core™ i7-10710U processor	
	Memory	4GB DDR3L 1333/ 1600MHz (Onboard)	1x SO-DIMM DDR3-1333/ 1600MHz, up to 8GB 1x SO-DIMM DDR4- 3200MHz, up to 16GB	1x SO-DIMM DDR4-3200MHz, up to 16GB 2x SO-DIMM DDR3-1600MHz, up to 16GB 2x SO-DIMM DDR4-2666MHz, up to 32GB 2x SO-DIMM DDR4-2666MHz, up to 32GB	
	Storage	1x full length Mini PCIe for mSATA SSD			
I/O Port	USB	2x USB 2.0, 1x USB 3.0		2x USB 2.0, 2x USB 3.0	
	Serial	1x COM (1x RS-232, 2x RS-232/422/485)		2x COM (1x RS-232, 2x RS-232/422/485)	
	Ethernet	2x GbE LAN			
	Display	1x HDMI, 1x VGA	1x VGA	1x HDMI, 1x VGA	
	GPIO	optional			
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA			
RF Communication	Wi-Fi	Mini PCIe expansion (optional)			
	Cellular	Mini PCIe expansion (optional)			
	Bluetooth	Mini PCIe expansion (optional)			
	GNSS	Mini PCIe expansion (optional)			
Audio	Audio	Mic in, line out			
	Speaker	2Ω 5W speaker (optional)			
Power	DC Input	12VDC		12VDC, 9 to 36V(optional)	
	Power Adaptor	AC-DC, 12V@5A, 60W		AC-DC, 12V@5A, 60W,12V@7A, 84W	
Operating System	Windows	Windows 10	Windows 10/Windows 11		
Mechanical	Dimensions (W x D x H)	227x 173 x 47 mm (8.94x 6.81x 1.85 inches)	261.5x 174.6 x 38.6 mm (10.31x 6.87x 1.52 inches)	310x 248 x 62.5 mm (12.20x 9.76x 2.46 inches)	370x 294x 65 mm (14.57x 11.57x 2.56 inches)
	Weight (N.W.)	1.7 kg (3.75 lbs)	1.8 kg (3.97 lbs)	3.8 kg (8.38 lbs)	4.5 kg (9.92 lbs)
	Mounting	Panel mount, wall mount bracket VESA 75		Panel mount, wall mount bracket VESA 100	
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°C to 140°F) (with W.T. SSD/DRAM)	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°C to 140°F)(with W.T. SSD/DRAM)	
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP65 (for front panel)			

Industrial Panel Computers

Industrial Panel PCs



Product Model		DPC-9156	DPC-9170	DPC-9185	DPC-9210
Display	Size	15.6 inch	17 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	1920 x 1080	1280 x 1024	1920 x 1080	1920 x 1080
	Luminance	450 nits	250 nits	300 nits	250 nits
	LED Lifetime	50000hrs	30000hrs	30000hrs	40000hrs
System	CPU	Intel® Celeron® J6412 processor Intel® Core™ i5-6200U processor Intel® Core™ i5-10210U processor Intel® Core™ i7-10710U processor			
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB 2x SO-DIMM DDR3-1600MHz, up to 16GB 2x SO-DIMM DDR4-2666MHz, up to 32GB 2x SO-DIMM DDR4-2666MHz, up to 32GB			
	Storage	1x full length Mini PCIe for mSATA SSD			
	I/O Port	USB: 2x USB 2.0, 2x USB 3.0 Serial: 2x COM (1x RS-232, 2x RS-232/422/485) Ethernet: 2x GbE LAN Display: 1x HDMI, 1x VGA GPIO: optional			
Expansion Slot	Mini PCIe: 1x full length Mini PCIe for Wi-Fi or mSATA				
RF Communication	Wi-Fi	Mini PCIe expansion (optional)			
	Cellular	Mini PCIe expansion (optional)			
	Bluetooth	Mini PCIe expansion (optional)			
	GNSS	Mini PCIe expansion (optional)			
Audio	Audio	Mic in, line out			
	Speaker	2Ω 5W speaker (optional)			
Power	DC Input	12VDC, 9 to 36V(optional)			
	Power Adaptor	AC-DC, 12V@5A, 60W, 12V@7A, 84W			
Operating System	Windows	Windows 10/Windows 11			
Mechanical	Dimensions (W x D x H)	399 x 249 x 70 mm (15.71x 9.80x 2.76 inches)	393 x 330 x 66 mm (15.47x 12.99x 2.60 inches)	467.4 x 288 x 66 mm (18.41x 11.34x 2.60 inches)	528 x 326 x 66 mm (20.79x 12.83x 2.60 inches)
	Weight (N.W.)	5.9 kg (12.99 lbs)	5.6 kg (12.35 lbs)	5.9 kg (12.99 lbs)	7.9 kg (17.43 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100			
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°C to 140°F) (with W.T. SSD/DRAM)	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F)	-20°C to 60°C (-4°C to 140°F)(with W.T. SSD/DRAM)
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP65 (for front panel)			

Android Panel PCs



Product Model		APC-9100	APC-9156	APC-2133
Display	Size	10.1 inch	15.6 inch	13.3 inch
	Touch Type	Projected capacitive multi touch		
	Resolution	1280 x 800	1920 x 1080	1920 x 1080
	Luminance	300 nits	450 nits	300 nits
	LED Lifetime	25000hrs	50000hrs	30000hrs
System	CPU	Rockchip RK3399, ARM 2x Cortex-A72 + 4x Cortex-A53 1.8GHz Processor		Rockchip RK3568 Quad-core Cortex-A55 up to 2.0GHz
	Memory	DDR4 4G		DDR4 2G,4G
	Storage	32G		16G,32G
I/O Port	USB	4x USB 3.0 1x USB 2.0(OTG)		1x USB 3.0 2x USB 2.0
	Serial	1x COM (COM1 supports RS-232)		
	Ethernet	2x GbE LAN		1x GbE LAN
	Display	1x HDMI		
	GPIO	optional		
Expansion Slot	M.2	1x M.2 3042 for 4G, 1x M.2 3052 for 5G		
RF Communication	Wi-Fi	Wi-Fi 5		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	BT4.0		
Audio	GNSS	Mini PCIe expansion (optional)		
	Audio	Mic in, line out		
Power	Speaker	optional		
	DC Input	9 to 36VDC		12VDC
Operating System	Power Adaptor	AC-DC, 12V@5A, 60W		
	Android	Android 10	Android 10	Android 11
Mechanical	Dimensions (W x D x H)	261.4 x 174.6 x 34 mm (10.3 x 6.9 x 1.3 inches)	399.4 x 249.4 x 57.3 mm (15.7 x 9.8 x 2.3 inches)	323 x 212 x 36 mm (12.7 x 8.3 x 1.4 inches)
	Weight (N.W.)	1.8 kg (3.97 lbs)	3.9 kg (8.60 lbs)	2.9 kg (6.39 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10 to 50°C (14 to 122°F)		
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		

Industrial Panel Computers

Stainless Steel Panel PCs



Product Model		SPC-9100	SPC-9120	SPC-9150	SPC-9185
Display	Size	10.4 inch	12.1 inch	15.6 inch	18.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	800 x 600	1024 x 768	1920 x 1080	1920 x 1080
	Luminance	400 nits	450 nits	450 nits	350 nits
	LED Lifetime	30000hrs	50000hrs	50000hrs	30000hrs
System	CPU	Intel® Celeron® J6412 (2.0 GHz)		Intel® Celeron® J6412 (2.0 GHz) Intel® Core™ i5-1235U (1.3 Ghz)	
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB		1x SO-DIMM DDR4-3200MHz, up to 16GB 1x SO-DIMM DDR4-3200MHz, up to 64GB	
	Storage	1x full length Mini PCIe for mSATA SSD		1x full length Mini PCIe for mSATA SSD 1x M.2_2280 for NVMe SSD	
I/O Port	USB	4x USB2.0 or 2x USB3.0 (M12)			
	Serial	2x COM (Supports 2x RS232 or 1x RS232 and 1x RS485) (M12)			
	Ethernet	2x GbE LAN (M12)			
RF Communication	Wi-Fi	Mini PCIe expansion (optional)			
	Bluetooth	Mini PCIe expansion (optional)			
Power	DC Input	9 to 36VDC			
	Power Adaptor	AC-DC, 12V@5A, 60W			
Operating System	Windows	Windows 10, windows 11			
Mechanical	Dimensions (W x D x H)	292 x 238.5 x 47 mm (11.5 x 9.39 x 1.85 inches)	320 x 253.5 x 47 mm (12.6 x 9.98 x 1.85 inches)	362 x 286 x 52 mm (14.26x 11.26x 2.04 inches)	472 x 293 x 55 mm (18.6 x 11.5 x 2.2 inches)
	Weight (N.W.)	2.6 kg (5.73 lbs)	3.3 kg (7.28 lbs)	5.7 kg (12.57 lbs)	7.3 kg (16.1 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100			
	Material	Stainless steel SUS 304 or 316 (optional)			
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F) -20°C to 60°C (-4°F to 140°F)(with W.T. SSD/DRAM)			
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP66			

Stainless Steel Front Bezel Panel PCs



Product Model		SFPC-9120	SFPC-9150
Display	Size	12.1 inch	15 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)	
	Resolution	1024 x 768	1024 x 768
	Luminance	450 nits	350 nits
	LED Lifetime	50000hrs	
System	CPU	Intel® Celeron® J6412 processor Intel® Core™ i5-6200U processor Intel® Core™ i5-10210U processor Intel® Core™ i7-10710U processor	
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB 2x SO-DIMM DDR3-1600MHz, up to 16GB 2x SO-DIMM DDR4-2666MHz, up to 32GB 2x SO-DIMM DDR4-2666MHz, up to 32GB*	
	Storage	1x full length Mini PCIe for mSATA SSD	
I/O Port	USB	2x USB 2.0, 2x USB 3.0	
	Serial	2x COM (1x RS-232, 2x RS-232/422/485)	
	Ethernet	2x GbE LAN	
	Display	1x HDMI, 1x VGA	
Expansion Slot	GPIO	optional	
	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA	
RF Communication	M.2	Mini PCIe expansion (optional)	
	Wi-Fi	Mini PCIe expansion (optional)	
	Cellular	Mini PCIe expansion (optional)	
Audio	Bluetooth	Mini PCIe expansion (optional)	
	Audio	Mic in, line out	
Power	Speaker	2Ω 5W speaker (optional)	
	DC Input	12VDC, 9 to 36V(optional)	
Operating System	Power Adaptor	AC-DC, 12V@5A, 60W,12V@7A, 84W	
	Windows	Windows 10/Windows 11	
Mechanical	Dimensions (W x D x H)	327.7x 266.2 x 64 mm (12.90 x 10.48x 2.52 inches)	386.4x 310.4x 64 mm (15.21 x 12.22 x 2.52 inches)
	Weight (N.W.)	4.6 kg (10.14 lbs)	5.4 kg (11.9 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100	
	Material	Stainless steel SUS 304 front bezel, all-metal chassis	
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F) -20°C to 60°C (-4°F to 140°F)(with W.T. SSD/DRAM)	
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis	
	IP Rating	IP65 (for front panel)	

Industrial Panel Computers

IP65 Waterproof Panel PCs



Product Model		RPC-3120	RPC-3150	RPC-3210
Display	Size	12.1 inch	15 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)		
	Resolution	1024 x 768	1024 x 768	1920 x 1080
	Luminance	450 nits	350 nits	250 nits
	LED Lifetime	50000hrs	50000hrs	40000hrs
System	CPU	Intel® Celeron® J6412 processor		
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB		
	Storage	1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 2.0 (M12)		
	Serial	1x COM (supports 1x RS232 or 1x RS485) (M12)		
	Ethernet	2x GbE LAN (M12)		
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Power	DC Input	12VDC, 9 to 36VDC (optional)		
	Power Adaptor	AC-DC, 12V@5A, 60W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	310 x 248 x 63.1 mm (12.20 x 9.76 x 2.48 inches)	366.5 x 290.5 x 64 mm (14.43 x 11.43 x 2.52 inches)	544 x 341.8 x 67.8mm (21.42 x 13.45 x 2.67 inches)
	Weight (N.W.)	4.15 kg (9.15 lbs)	5.4 kg (11.90 lbs)	9.1 kg (20.06 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°F to 140°F)(with W.T. SSD/DRAM)		
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65		



Product Model		RPC-5120	RPC-5150	RPC-5210
Display	Size	12.1 inch	15 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)		
	Resolution	1024 x 768	1024 x 768	1920 x 1080
	Luminance	450 nits	350 nits	250 nits
	LED Lifetime	50000hrs	50000hrs	40000hrs
System	CPU	Intel® Core™ i5-6200U processor		
	Memory	2x SO-DIMM DDR3-1600MHz, up to 16GB		
	Storage	1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 2.0 (M12)		
	Serial	1x COM (supports 1x RS232 or 1x RS485) (M12)		
	Ethernet	2x GbE LAN (M12)		
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Power	DC Input	12VDC, 9 to 36VDC (optional)		
	Power Adaptor	AC-DC, 12V@5A, 60W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	310 x 248 x 63.1 mm (12.20 x 9.76 x 2.48 inches)	366.5 x 290.5 x 64 mm (14.43 x 11.43 x 2.52 inches)	544 x 341.8 x 67.8mm (21.42 x 13.45 x 2.67 inches)
	Weight (N.W.)	4.15 kg (9.15 lbs)	5.4 kg (11.90 lbs)	9.1 kg (20.06 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F) -20°C to 60°C (-4°F to 140°F)(with W.T. SSD/DRAM)		
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65		

Industrial Panel Computers

Medical Panel PCs



Product Model		MPC-1133	MPC-1156	MPC-1185
Display	Size	13.3 inch	15.6 inch	18.5 inch
	Touch Type	Projected capacitive multi touch		
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080
	Luminance	300 nits	250 nits	300 nits
	LED Lifetime	30000hrs	20000hrs	30000hrs
System	CPU	Intel® Celeron® J6412 processor Intel® Core™ i5-8260U processor Intel® Core™ i5-10210U processor		
	Memory	1x SO-DIMM DDR4-3200MHz, up to 16GB 1x SO-DIMM DDR4-2666MHz, up to 32GB 1x SO-DIMM DDR4-2666MHz, up to 32GB		
	Storage	1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	2x USB 2.0, 1x USB 3.0		
	Serial	2x COM (1x RS-232, 1x RS-485)		
	Ethernet	2x GbE LAN		
	Display	1x HDMI		
Expansion Slot	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Audio	Audio	Mic in, line out		
	Speaker	2Ω 5W speaker (optional)		
Power	DC Input	12VDC, 9 to 36VDC(optional)		
	Power Adaptor	AC-DC, 12V@5A, 60W,12V@7A, 84W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	322.4 x 200.4 x 47 mm (12.7 x 7.9 x 1.8 inches)	399 x 249 x 70 mm (15.7 x 9.8 x 2.7 inches)	465 x 285 x 49 mm (18.3 x 11.2 x 1.9 inches)
	Weight (N.W.)	1.6 kg (3.5 lbs)	2.2 kg (4.9 lbs)	4.2 kg (9.26 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	0°C to 50°C (32°F to 122°F)		
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		
Certification	EMC	CE, FCC,EN60601-1		

Marine Panel Pcs



Product Model		MP-210	MP-240	MP-270
Display	Size	21.5 inch	23.8 inch	27 inch
	Touch Type	Projected capacitive multi touch		
	Resolution	1920 x 1080		
	Luminance	500 nits	550 nits	300 nits
	LED Lifetime	50000hrs	30000hrs	40000hrs
System	CPU	Intel® Core™ i5-10210U, 1.6GHz Intel® Core™ i7-10710U, 1.1GHz		
	Memory	2x DDR4 2666 SO-DIMM (up to 64GB)		
	Storage	1x 2.5" SATA HDD/SSD (optional) 1x full length Mini PCIe for mSATA SSD		
I/O Port	USB	4x USB 3.0		
	Serial	3x COM (1x RS-232, 2x RS-232/422/485)		
	Ethernet	4x GbE LAN		
	Display	1x HDMI		
Expansion Slot	GPIO	optional		
	Mini PCIe	1x full length Mini PCIe for Wi-Fi or mSATA		
RF Communication	M.2	N/A		
	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	N/A		
	Bluetooth	Mini PCIe expansion (optional)		
Audio	GNSS	N/A		
	Audio	Mic in, line out		
Power	Speaker	2Ω 5W speaker		
	DC Input	9 to 36VDC		
Operating System	Power Adaptor	AC-DC, 12V@7A, 84W		
Operating System	Windows	Windows 10, Windows 11		
Mechanical	Dimensions (W x D x H)	534 x 351 x 75 mm (21 x 13.8 x 2.9 inches)	587.6 x 376 x 74.7 mm (23.1 x 14.8 x 2.9 inches)	651.8 x 411 x 74.7 mm (25.7 x 16.1 x 2.9 inches)
	Weight (N.W.)	7.8 kg (17.2 lbs)	8.6 kg (19 lbs)	9.8 kg (22 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)		
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		



Darveen's Industrial Touch Monitors are designed for harsh environments, offering rugged durability. They support panel and VESA mounting options. With a variety of high-quality industrial displays, they seamlessly pair with our box computers via DP/HDMI port, making them ideal for HMI applications across industries like manufacturing, public transportation, hospitality, and banking.



Diverse Product Selections

- Available from 8 to 21.5 inches, 4:3 and 16:9 aspect ratios
- Resistive and P-Cap touch types
- Open-frame series for seamless machine integration



High Durability

- All-metal structure (aluminum alloy) for better seismic resistance, heat dissipation and rust prevention
- IP65 front panel protection



High Brightness and High Readability

- Sunlight readable monitors with up to 1,000 nits brightness
- Anti-glare and anti-fingerprint for better visual effects



Flexible Installation Options

- Supports panel mount or 75/100mm VESA mount installation

Ultra-thin Industrial Monitors

DPM Series

- 8" to 21.5" LED-backlit LCD with 5-wire resistive or P-Cap touchscreen
- Rugged aluminum enclosure
- Supports VGA, DVI, HDMI display interfaces
- DC in 12 to 24V
- Supports VESA 75/100 mount and panel mount
- IP65 compliant front panel



High-brightness Industrial Monitors

DPM High-brightness Series

- 10.1"/ 12.1"/ 15.6" LED-backlit LCD with capacitive touchscreen
- High brightness up to 1,000 nits
- Rugged aluminum enclosure
- Supports VGA, DVI, HDMI display interfaces
- DC in 12 to 24V
- Supports VESA 75/100 mount and panel mount
- IP65 compliant front panel



Open Frame Monitors

OFM Series

- 8"/ 12.1"/ 15"/ 15.6" LCD with P-Cap or resistive touchscreen
- Open frame architecture design
- Supports VGA, DVI, DP/HDMI display interfaces
- DC in 12 to 24V
- Supports VESA 75/100 mount and panel mount



Ultra-thin Industrial Monitors



Product Model		DPM-1080	DPM-1101	DPM-1120	DPM-1150
Display	Size	8 inch	10.1 inch	12.1 inch	15 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	1024 x 768	1280 x 800	1024 x 768	1024 x 768
	Luminance	400 nits	350 nits	450 nits	350 nits
	LED Lifetime	30000hrs	25000hrs	50000hrs	50000hrs
I/O Port	USB	1x USB2.0			
	Display	1x DP/HDMI, 1x VGA, 1x DVI			
Power	DC Input	12 to 24VDC			
	Power Adaptor	AC-DC, 12V@5A, 60W			
Mechanical	Dimensions (W x D x H)	227 x 173 x 35.5 mm (8.94 x 6.81 x 1.40 inches)	261.5x 174.6 x 29 mm (10.30 x 6.87 x 1.14 inches)	310x 248 x 41.5 mm (10.30 x 6.87 x 1.14 inches)	370 x 294 x 41.5 mm (14.57x 11.57x 1.63 inches)
	Weight (N.W.)	1.2 kg (2.65 lbs)	1.1 kg (2.43 lbs)	2.45 kg (5.40 lbs)	3.45 kg (7.62 lbs)
	Mounting	Panel mount, wall mount bracket VESA 75		Panel mount, wall mount bracket VESA 100	
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)			
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP65 (for front panel)			



Product Model		DPM-1156	DPM-1170	DPM-1185	DPM-1210
Display	Size	15.6 inch	17 inch	18.5 inch	21.5 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	1920 x 1080	1280 x 1024	1920 x 1080	1920 x 1080
	Luminance	450 nits	250 nits	300 nits	250 nits
	LED Lifetime	50000hrs	30000hrs	30000hrs	40000hrs
I/O Port	USB	1x USB2.0			
	Display	1x DP/HDMI, 1x VGA, 1x DVI			
Power	DC Input	12 to 24VDC			
	Power Adaptor	AC-DC, 12V@5A, 60W			
Mechanical	Dimensions (W x D x H)	399 x 249 x 46 mm (15.71 x 9.80 x 1.81 inches)	393 x 330 x 45.3 mm (15.47x 12.99x 1.78 inches)	467.4 x 288 x 46 mm (18.41x 11.34x 1.81 inches)	528 x 326 x 47.3 mm (20.79x 12.83x 1.86 inches)
	Weight (N.W.)	3.5 kg (7.72 lbs)	3.45 kg (7.62 lbs)	6.1 kg (13.45 lbs)	6.9 kg (15.21 lbs)
	Mounting	Panel mount, wall mount bracket VESA 100			
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F)			
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			
	IP Rating	IP65 (for front panel)			

High-brightness Industrial Monitors



Product Model		DPM-1101G	DPM-1120G	DPM-1156G
Display	Size	10.1 inch	12.1 inch	15.6 inch
	Touch Type	Projected capacitive multi touch		
	Resolution	1920 x 1080	1024 x 768	1920 x 1080
	Luminance	1000 nits	1000 nits	1000 nits
	LED Lifetime	25000hrs	50000hrs	50000hrs
I/O Port	USB	1x USB2.0		
	Display	1x DP/HDMI, 1x VGA, 1x DVI		
Power	DC Input	12 to 24VDC		
	Power Adaptor	AC-DC, 12V@5A, 60W		
Mechanical	Dimensions (W x D x H)	261.5x 174.6 x 29 mm (10.30 x 6.87 x 1.14 inches)	310x 248 x 41.5 mm (10.30 x 6.87 x 1.14 inches)	399 x 249 x 46 mm (15.71 x 9.80 x 1.81 inches)
	Weight (N.W.)	1.1 kg (2.43 lbs)	2.45 kg (5.40 lbs)	3.5 kg (7.72 lbs)
	Mounting	Panel mount, wall mount bracket VESA 75	Panel mount, wall mount bracket VESA 100	
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F)		
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis		
	IP Rating	IP65 (for front panel)		

Open Frame Monitors



Product Model		OFM-1080	OFM-1120	OFM-1150	OFM-1156
Display	Size	8 inch	12.1 inch	15 inch	15.6 inch
	Touch Type	Projected capacitive multi touch 5-wire resistive touch(optional)			
	Resolution	1024 x 768	1024 x 768	1024 x 768	1920 x 1080
	Luminance	400 nits	450 nits	350 nits	450 nits
	LED Lifetime	30000hrs	50000hrs	50000hrs	50000hrs
I/O Port	USB	1x USB2.0			
	Display	1x DP/HDMI, 1x VGA, 1x DVI			
Power	DC Input	12 to 24VDC			
	Power Adaptor	AC-DC, 12V@5A, 60W			
Mechanical	Dimensions (W x D x H)	209 x 167 x 32.2 mm (8.2 x 6.6 x 1.2 inches)	311.6 x 240 x 34.5 mm (12.2 x 9.4 x 1.4 inches)	350.9 x 277.9 x 35 mm (13.8 x 10.9 x 1.4 inches)	388.2 x 240.3 x 35 mm (15.2 x 9.5 x 1.4 inches)
	Weight (N.W.)	1.1 kg (2.2 lbs)	2.2 kg (4.8 lbs)	3.25 kg (7.1 lbs)	3.0 kg (6.6 lbs)
	Mounting	Panel mount, wall mount bracket VESA 75	Panel mount, wall mount bracket VESA 100		
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F)			
	Vibration	5-500Hz, 0.026 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis			

Embedded Box Computers



Darveen's fanless embedded box computers offer a versatile and reliable solution for various applications. Featuring exceptional system performance, diverse I/O connectivity options, wide voltage support, and robust construction, these systems provide the ideal platform for modern industrial computing requirements. They enable timely, data-driven decision-making at the edge.



Full Edge AI Solutions

- MIC & MBC Series for AOI defect detection
- VBC Series for machine vision
- DBC Series for data acquisition
- NBC Series for AGV



Outstanding System Design

- Aluminum housing enhances heat dissipation
- Fanless, cableless design
- Modular CPU and I/O board design with custom I/O board options available



Rugged Reliability

- Wide operating temp
- Isolated serial ports
- Wide voltage power input



Rich I/O Interfaces

- Supports USB, LAN, COM, DIO, GPIO, and CAN
- Mini PCI and PCI/PCIe for extra expansion

Modular Industrial Computers

MIC Series

- Processor:
 - MIC-7000 series: High-performance desktop 9th/8th/7th/6th Gen Intel® Core™ i
 - MIC-8000 series: High-performance desktop 11th/10th Gen Intel® Core™ i
- Modular I/O combination, easy for I/O board customization
- Up to 2x or 4x PCI/PCIe expansion slots for GPU, network or other PCIe cards
- Supports Wi-Fi 6, Bluetooth, 5G/4G, GPS



Fanless Box Computers

MBC Series

- Intel® Core™ i7/i5/i3 or Celeron® processor
- Modular I/O combination, easy for I/O board customization
- Up to 2x PCI/PCIe expansion slots for GPU, network or other PCIe cards
- Supports Wi-Fi 6, Bluetooth, 5G/4G, GPS



Machine Vision Computers

VBC Series

- High-performance desktop 9th/8th/7th/6th Gen Intel® Core™ i
- Supports up to 6x LAN (with 4x PoE)
- 8x USB 3.0, 6x COM



Compact Embedded Computers

NBC Series

- Intel® low-power Core™ i5/i3 / Celeron® processor
- Rich I/O interfaces, including USB, LAN, COM, VGA, HDMI
- 1x M.2 2230 E-Key and 1x full length Mini PCIe socket
- Supports Wi-Fi, Bluetooth, 4G, CAN2.0B (optional)



DIN-Rail IPCs

DBC Series

- High-performance 12th/11th/10th Gen Intel® Core™ i / Celeron® processor
- 1x Full-length Mini PCIe, 1x M.2 2230 E-Key
- DIN-rail mounting for quick, standardized installation
- Compact design for seamless control cabinet integration



Marine Embedded Computers

MC Series

- 13th Gen Intel® Celeron®/Core™ i3/i5/i7 Processor
- 4x NMEA 0183 (RS-422/485), 8 x isolated DIO ports
- Optional Wi-Fi, Bluetooth, LTE/5G, GPS, CAN2.0
- IEC 60945/61162-1/2, IACS E10 certified



Modular Industrial Computers



Product Model		MIC-7000	MIC-7100	MIC-7200
System	CPU	LGA1151 Socket i3/i5/i7/i9		
	Chipset	Intel® H110		
	Memory	2x DDR4 SO-DIMM up to 32GB		
	Storage	1x 2.5" SATA HDD 1x M.2 2280 SATA		
	Graphics	Intel® HD Graphics 530		
	BIOS	AMI UEFI		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	2x USB 2.0, 4x USB3.0
	Serial	2x COM (1xRS-232/485)	6x COM (3xRS-232/485)	6x COM (3xRS-232/485)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 2x Intel® I210-AT , 1 x Intel i225
	Display	2x DP, 1x VGA		
	SIM Card Slot	1x SIM		
Expansion Slot	Mini PCIe	1x full length Mini PCIe		
	M.2	1x M.2 M-Key 2280		
RF Communication	Wi-Fi	Mini-PCIe Expansion (optional)		
	Cellular	Mini-PCIe Expansion (optional)		
	Bluetooth	Mini-PCIe Expansion (optional)		
	GNSS	Mini-PCIe Expansion (optional)		
Audio	Audio	Mic in, line out		
Power	Button	Yes		
	Remote Power On/Off	N/A	4-Pin remote	2-Pin remote
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@5A, 120W		
Operating System	Windows	Windows 7, Windows 10		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 76mm (8.66 x 10.08 x 2.99 inches)		
	Weight (N.W.)	4.3kg (9.48 lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC	CE, FCC, Class A		



Product Model		MIC-7300	MIC-7400	MIC-7500
System	CPU	LGA1151 Socket i3/i5/i7/i9		
	Chipset	Intel® H110		
	Memory	2x DDR4 SO-DIMM up to 32GB		
	Storage	1x 2.5" SATA HDD 1x M.2 2280 SATA		
	Graphics	Intel® HD Graphics 530		
	BIOS	AMI UEFI		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	4x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	2x USB 2.0, 4x USB3.0
	Serial	6x COM (5xRS-232/485)	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)	2x COM (1xRS-232/485)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT	1x Intel® I219-LM, 5x Intel® I210-AT	
	Display	2x DP, 1x VGA		
	SIM Card Slot	1x SIM		
Expansion Slot	DIO	32x DIO	N/A	32x DIO
	CAN	2x CAN2.0B	N/A	N/A
Expansion Slot	Mini PCIe	1x full length Mini PCIe		
	M.2	1x M.2 M-Key 2280		
RF Communication	Wi-Fi	Mini-PCIe Expansion (optional)		
	Cellular	Mini-PCIe Expansion (optional)		
	Bluetooth	Mini-PCIe Expansion (optional)		
	GNSS	Mini-PCIe Expansion (optional)		
Audio	Audio	Mic in, line out		
Power	Button	Yes		
	Remote Power On/Off	4-Pin remote	4-Pin remote	2-Pin remote
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@5A, 120W		
Operating System	Windows	Windows 7, Windows 10		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 76mm (8.66 x 10.08 x 2.99 inches)		
	Weight (N.W.)	4.3kg (9.48 lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC	CE, FCC, Class A		

Modular Industrial Computers



Product Model		MIC-7011	MIC-7111	MIC-7211	
System	CPU	LGA1151 Socket i3/i5/i7/i9			
	Chipset	Intel® H110			
	Memory	2x DDR4 SO-DIMM up to 32GB			
	Storage	1x 2.5" SATA HDD			
		1x M.2 2280 SATA			
	Graphics	Intel® HD Graphics 530			
	BIOS	AMI UEFI			
Watchdog Timer	Software programmable supports 256 levels system reset				
I/O Port	USB	2x USB2.0, 4x USB3.0	4x USB2.0, 4x USB3.0	2x USB2.0, 4x USB3.0	
	Serial	2x COM (1x RS-232/485)	6x COM (3x RS-232/485)	6x COM (3x RS-232/485)	
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 2x Intel® I210-AT, 1x Intel i225	
	Display	2x DP, 1x VGA			
	SIM Card Slot	1x SIM			
	DIO	N/A			
	CAN bus	N/A			
	Antenna	2x SMA-type			
	Expansion Slot	PCI/PCIe	1x PCI, 1x PCIe16		
		Mini PCIe	1x full length Mini PCIe		
M.2		1x M.2 M-Key 2280			
RF Communication	Wi-Fi	Mini-PCIe Expansion (optional)			
	Cellular	Mini-PCIe Expansion (optional)			
	Bluetooth	Mini-PCIe Expansion (optional)			
	GNSS	Mini-PCIe Expansion (optional)			
Audio	Audio	Mic in, line out			
	Button	Yes			
Power	Remote Power On/Off	N/A	4-Pin remote	2-Pin remote	
	DC Input	24VDC			
	Power Adaptor	AC-DC, 24V@5A, 120W			
	Power Mode	AT/ATX			
Operating System	Windows	Windows 7, Windows 10			
	Linux	Ubuntu			
Mechanical	Dimensions (W x D x H)	220 x 256 x 136mm (8.66 x 10.08 x 5.36 inches)			
	Weight (N.W.)	4.6kg (10.15 lbs)			
	Mounting	Wall-mount			
	Material	Aluminum alloy			
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F, with SSD Airflow 0.7m/s)			
	Storage Temperature	-40°C to 80°C(-40°F to 176°F)			
	Relative Humidity	10% to 95% (non-condensing)			
Certification	EMC	CE, FCC, Class A			



Product Model		MIC-7311	MIC-7411	MIC-7511	
System	CPU	LGA1151 Socket i3/i5/i7/i9			
	Chipset	Intel® H110			
	Memory	2x DDR4 SO-DIMM up to 32GB			
	Storage	1x 2.5" SATA HDD			
		1x M.2 2280 SATA			
	Graphics	Intel® HD Graphics 530			
	BIOS	AMI UEFI			
Watchdog Timer	Software programmable supports 256 levels system reset				
I/O Port	USB	4x USB2.0, 4x USB3.0	4x USB2.0, 4x USB3.0	2x USB2.0, 4x USB3.0	
	Serial	6x COM (5x RS-232/485)	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)	2x COM (1x RS-232/485)	
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT	1x Intel® I219-LM, 5x Intel® I210-AT		
	Display	2x DP, 1x VGA			
	SIM Card Slot	1x SIM			
	DIO	32x DIO	N/A	32x DIO	
	CAN bus	2x CAN2.0B	N/A	N/A	
	Antenna	2x SMA-type			
	Expansion Slot	PCI/PCIe	1x PCI, 1x PCIe16		
		Mini PCIe	1x full length Mini PCIe		
M.2		1x M.2 M-Key 2280			
RF Communication	Wi-Fi	Mini-PCIe Expansion (optional)			
	Cellular	Mini-PCIe Expansion (optional)			
	Bluetooth	Mini-PCIe Expansion (optional)			
	GNSS	Mini-PCIe Expansion (optional)			
Audio	Audio	Mic in, line out			
	Button	Yes			
Power	Remote Power On/Off	4-Pin remote	4-Pin remote	2-Pin remote	
	DC Input	24VDC			
	Power Adaptor	AC-DC, 24V@5A, 120W			
	Power Mode	AT/ATX			
Operating System	Windows	Windows 7, Windows 10			
	Linux	Ubuntu			
Mechanical	Dimensions (W x D x H)	220 x 256 x 136mm (8.66 x 10.08 x 5.36 inches)			
	Weight (N.W.)	4.6kg (10.15 lbs)			
	Mounting	Wall-mount			
	Material	Aluminum alloy			
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F, with SSD Airflow 0.7m/s)			
	Storage Temperature	-40°C to 80°C(-40°F to 176°F)			
	Relative Humidity	10% to 95% (non-condensing)			
Certification	EMC	CE, FCC, Class A			

Embedded Box Computers

Modular Industrial Computers



Product Model		MIC-7022	MIC-7122	MIC-7222	
System	CPU	LGA1151 Socket i3/i5/i7/i9			
	Chipset	Intel® H110			
	Memory	2x DDR4 2133 MHz SO-DIMM up to 32GB			
	Storage	1x 2.5" SATA HDD 1x M.2 2280 SATA			
	Graphics	Intel® HD Graphics 530			
	BIOS	AMI UEFI			
	Watchdog Timer	Software programmable supports 256 levels system reset			
I/O Port	USB	2x USB2.0, 4x USB3.0	4x USB2.0, 4x USB3.0	2x USB2.0, 4x USB3.0	
	Serial	2x COM (1xRS-232/485)	6x COM (3xRS-232/485)	6x COM (3xRS-232/485)	
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 2x Intel® I210-AT, 1 x Intel i225	
	Display	2x DP, 1x VGA			
	SIM Card Slot	1x SIM			
	DIO	N/A			
	CAN bus	N/A			
	Antenna	2x SMA-type			
	Expansion Slot	PCI/PCIe	2x PCI, 1x PCIe x16, 1x PCIe x4		
		Mini PCIe	1x full length Mini PCIe		
M.2		1x M.2 M-Key 2280			
RF Communication	Wi-Fi	Mini-PCIe Expansion (optional)			
	Cellular	Mini-PCIe Expansion (optional)			
	Bluetooth	Mini-PCIe Expansion (optional)			
	GNSS	Mini-PCIe Expansion (optional)			
Audio	Audio	Mic in, line out			
	Button	Yes			
Power	Remote Power On/Off	N/A	4-Pin remote	2-Pin remote	
	DC Input	24VDC			
	Power Adaptor	AC-DC, 24V@5A, 120W			
	Power Mode	AT/ATX			
Operating System	Windows	Windows 7, Windows 10			
	Linux	Ubuntu			
Mechanical	Dimensions (W x D x H)	220 x 256 x 176mm (8.66 x 10.08 x 6.93 inches)			
	Weight (N.W.)	4.6kg (10.15 lbs)			
	Mounting	Wall-mount			
	Material	Aluminum alloy			
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)			
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)			
	Relative Humidity	10% to 95% (non-condensing)			
Certification	EMC	CE, FCC, Class A			



Product Model		MIC-7322	MIC-7422	MIC-7522	
System	CPU	LGA1151 Socket i3/i5/i7/i9			
	Chipset	Intel® H110			
	Memory	2x DDR4 2133 MHz SO-DIMM up to 32GB			
	Storage	1x 2.5" SATA HDD 1x M.2 2280 SATA			
	Graphics	Intel® HD Graphics 530			
	BIOS	AMI UEFI			
	Watchdog Timer	Software programmable supports 256 levels system reset			
I/O Port	USB	4x USB2.0, 4x USB3.0	4x USB2.0, 4x USB3.0	2x USB2.0, 4x USB3.0	
	Serial	6x COM (5xRS-232/485)	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)	2x COM (1x RS-232/485)	
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 5x Intel® I210-AT	
	Display	2x DP, 1x VGA			
	SIM Card Slot	1x SIM			
	DIO	32x DIO	N/A	32x DIO	
	CAN bus	2x CAN2.0B	N/A	N/A	
	Antenna	2x SMA-type			
	Expansion Slot	PCI/PCIe	2x PCI, 1x PCIe x16, 1x PCIe x4		
		Mini PCIe	1x full length Mini PCIe		
M.2		1x M.2 M-Key 2280			
RF Communication	Wi-Fi	Mini-PCIe Expansion (optional)			
	Cellular	Mini-PCIe Expansion (optional)			
	Bluetooth	Mini-PCIe Expansion (optional)			
	GNSS	Mini-PCIe Expansion (optional)			
Audio	Audio	Mic in, line out			
	Button	Yes			
Power	Remote Power On/Off	4-Pin remote	4-Pin remote	2-Pin remote	
	DC Input	24VDC			
	Power Adaptor	AC-DC, 24V@5A, 120W			
	Power Mode	AT/ATX			
Operating System	Windows	Windows 7, Windows 10			
	Linux	Ubuntu			
Mechanical	Dimensions (W x D x H)	220 x 256 x 176mm (8.66 x 10.08 x 6.93 inches)			
	Weight (N.W.)	4.6kg (10.15 lbs)			
	Mounting	Wall-mount			
	Material	Aluminum alloy			
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)			
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)			
	Relative Humidity	10% to 95% (non-condensing)			
Certification	EMC	CE, FCC, Class A			

Modular Industrial Computers



Product Model		MIC-8000	MIC-8100	MIC-8200
System	CPU	Comet lake S i3/i5/i7/i9		
	Chipset	Intel® H420E		
	Memory	2x DDR4 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA		
	Graphics	Intel® UHD Graphics 630 (128 MB/Intel®)		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	1x SPI (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	2x USB 2.0, 4x USB3.0
	Serial	2x COM (1xRS-232/485)	6x COM (3xRS-232/485)	6x COM (3xRS-232/485)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 2x Intel® I210-AT, 1x Intel i225
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
	Antenna	6x SMA-type		
Expansion Slot	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3052		
	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
RF Communication	Cellular	1x M.2 3052 B-Key (USB3.0)		
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	GNSS	1x M.2 3052 B-Key (USB3.0)		
Audio	Audio	Mic in, line out		
	Button	Yes		
Power	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W		
	Power Mode	AT/ATX		
Operating System	Windows	Windows 10/11		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 76mm (8.66 x 10.08 x 2.99 inches)		
	Weight (N.W.)	4.3kg (9.48 lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC	CE, FCC, Class A		



Product Model		MIC-8300	MIC-8400	MIC-8500
System	CPU	Comet lake S i3/i5/i7/i9		
	Chipset	Intel® H420E		
	Memory	2x DDR4 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA		
	Graphics	Intel® UHD Graphics 630 (128 MB/Intel®)		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	1x SPI (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	4x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	2x USB 2.0, 4x USB3.0
	Serial	6x COM (5xRS-232/485)	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)	2x COM (1xRS-232/485)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT	1x Intel® I219-LM, 5x Intel® I210-AT	
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
	DIO	32X DIO	N/A	32X DIO
Expansion Slot	CAN	2x CAN2.0B	N/A	N/A
	Antenna	6x SMA-type		
M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3052			
	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
RF Communication	Cellular	1x M.2 3052 B-Key (USB3.0)		
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	GNSS	1x M.2 3052 B-Key (USB3.0)		
Audio	Audio	Mic in, line out		
	Button	Yes		
Power	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W		
	Power Mode	AT/ATX		
Operating System	Windows	Windows 10/11		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 76mm (8.66 x 10.08 x 2.99 inches)		
	Weight (N.W.)	4.3kg (9.48 lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC	CE, FCC, Class A		

Embedded Box Computers

Modular Industrial Computers



Product Model		MIC-8011	MIC-8111	MIC-8211
System	CPU	Comet lake S i3/i5/i7/i9		
	Chipset	Intel® H420E		
	Memory	2x DDR4 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA		
	Graphics	Intel® UHD Graphics 630 (128 MB/Intel®)		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	1x SPI (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	2x USB 2.0, 4x USB3.0
	Serial	2x COM (1xRS-232/485)	6x COM (3xRS-232/485)	6x COM (3xRS-232/485)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 2x Intel® I210-AT, 1x Intel i225
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
Expansion Slot	PCI/PCIe	1x PCI, 1x PCIe16		
	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230 ,1x M.2 B-Key 3052		
RF Communication	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	Cellular	1x M.2 3052 B-Key (USB3.0)		
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	GNSS	1x M.2 3052 B-Key (USB3.0)		
Audio	Audio Mic in, line out			
Power	Button	Yes		
	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W		
Operating System	Windows	Windows 10/11		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 136mm (8.66 x 10.08 x 5.35 inches)		
	Weight (N.W.)	4.6kg (10.14 lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C (14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC CE, FCC, Class A			



Product Model		MIC-8311	MIC-8411	MIC-8511
System	CPU	Comet lake S i3/i5/i7/i9		
	Chipset	Intel® H420E		
	Memory	2x DDR4 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA		
	Graphics	Intel® UHD Graphics 630 (128 MB/Intel®)		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	1x SPI (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	4x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	2x USB 2.0, 4x USB3.0
	Serial	6x COM (5xRS-232/485)	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)	2x COM (1xRS-232/485)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 5x Intel® I210-AT
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
Expansion Slot	DIO	32X DIO	N/A	32X DIO
	CAN	2x CAN2.0B	N/A	N/A
	Antenna	6x SMA-type		
	PCI/PCIe	1x PCI, 1x PCIe16		
RF Communication	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230 ,1x M.2 B-Key 3052		
	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	Cellular	1x M.2 3052 B-Key (USB3.0)		
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
Audio	Audio Mic in, line out			
Power	Button	Yes		
	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W		
Operating System	Windows	Windows 10/11		
	Linux	Ubuntu		
Mechanical	Dimensions (W x D x H)	220 x 256 x 136mm (8.66 x 10.08 x 5.35 inches)		
	Weight (N.W.)	4.6kg (10.14 lbs)		
	Mounting	Wall-mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 50°C(14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°Cto 80°C(-40°F to 176°F)		
	Relative Humidity	10% to 95% (non-condensing)		
Certification	EMC CE, FCC, Class A			

Embedded Box Computers

Modular Industrial Computers



Product Model		MIC-8022	MIC-8122	MIC-8222
System	CPU	Comet lake S i3/i5/i7/i9	Comet lake S i3/i5/i7/i9	Comet lake S i3/i5/i7/i9
	Chipset	Intel® H420E		
	Memory	2x DDR4 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA		
	Graphics	Intel® UHD Graphics 630 (128 MB/Intel®)		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	1x SPI (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	2x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	2x USB 2.0, 4x USB3.0
	Serial	2x COM (1xRS-232/485)	6x COM (3xRS-232/485)	6x COM (3xRS-232/485)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 2x Intel® I210-AT, 1x Intel i225
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
Expansion Slot	PCI/PCIe	2 x PCI, 1 x PCIe X16, 1 x PCIe X4		
	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3052		
RF Communication	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	Cellular	1x M.2 3052 B-Key (USB3.0)		
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
Audio	GNSS	1x M.2 3052 B-Key (USB3.0)		
	Audio	Mic in, line out		
Power	Button	Yes		
	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
	Power Adaptor	AC-DC, 24V@7.5A, 180W		
Operating System	Power Mode	AT/ATX		
	Windows	Windows 10/11		
Mechanical	Linux	Ubuntu		
	Dimensions (W x D x H)	220 x 256 x 176mm (8.66 x 10.08 x 6.93 inches)		
	Weight (N.W.)	5.6kg (12.35 lbs)		
	Mounting	Wall-mount		
Environment	Material	Aluminum alloy		
	Operating Temperature	-10°C to 50°C(14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C (-40°F to 176°F)		
Certification	Relative Humidity	10% to 95% (non-condensing)		
	EMC	CE, FCC, Class A		



Product Model		MIC-8322	MIC-8422	MIC-8522
System	CPU	Comet lake S i3/i5/i7/i9	Comet lake S i3/i5/i7/i9	Comet lake S i3/i5/i7/i9
	Chipset	Intel® H420E		
	Memory	2x DDR4 SO-DIMM up to 64GB		
	Storage	2x M.2 2280 SATA		
	Graphics	Intel® UHD Graphics 630 (128 MB/Intel®)		
	BIOS	AMI 128Mbit SPI Flash		
	TPM	1x SPI (optional)		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	4x USB 2.0, 4x USB3.0	4x USB 2.0, 4x USB3.0	2x USB 2.0, 4x USB3.0
	Serial	6x COM (5xRS-232/485)	4x COM (1xRS-232/485, 1xRS-485, 2xRS-232)	2x COM (1xRS-232/485)
	Ethernet	1x Intel® I219-LM, 2x Intel® I210-AT		1x Intel® I219-LM, 5x Intel® I210-AT
	Display	1x DP, 1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM		
Expansion Slot	DIO	32X DIO	N/A	32X DIO
	CAN	2x CAN2.0B	N/A	N/A
RF Communication	Antenna	6x SMA-type		
	PCI/PCIe	2 x PCI, 1 x PCIe X16, 1 x PCIe X4		
Audio	M.2	2x M.2 M-Key 2280, 1x M.2 E-Key 2230, 1x M.2 B-Key 3052		
	Wi-Fi	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	Cellular	1x M.2 3052 B-Key (USB3.0)		
Power	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)		
	GNSS	1x M.2 3052 B-Key (USB3.0)		
Operating System	Audio	Mic in, line out		
	Button	Yes		
	Remote Power On/Off	2-Pin remote		
	DC Input	24VDC		
Mechanical	Power Adaptor	AC-DC, 24V@7.5A, 180W		
	Power Mode	AT/ATX		
Environment	Windows	Windows 10/11		
	Linux	Ubuntu		
	Dimensions (W x D x H)	220 x 256 x 176mm (8.66 x 10.08 x 6.93 inches)		
Certification	Weight (N.W.)	5.6kg (12.35 lbs)		
	Mounting	Wall-mount		
Environment	Material	Aluminum alloy		
	Operating Temperature	-10°C to 50°C(14°F to 122°F, with SSD Airflow 0.7m/s)		
	Storage Temperature	-40°C to 80°C(-40°F to 176°F)		
Certification	Relative Humidity	10% to 95% (non-condensing)		
	EMC	CE, FCC, Class A		

Embedded Box Computers

Fanless Box Computers



Product Model		MBC-2300					
System	CPU	Intel® Celeron® J1900	Intel® Core™ i3 -5020U	Intel® Core™ i5 -6300U	Intel® Core™ i3 -8145U	Intel® Core™ i5 -8265U	Intel® Core™ i5 -8565U
	CPU TDP	10W		15W			
	Memory	1x DDR3L 1333 MHz SO-DIMM up to 8GB		2x DDR4 2133 MHz SO-DIMM up to 32GB	2x DDR4 2400 MHz SO-DIMM up to 32GB		
	Storage	1x 2.5" SATA HDD 1x mSATA					
	BIOS	AMI UEFI					
	Watchdog Timer	Software programmable supports 256 levels system reset					
I/O Port	USB	5x USB 2.0, 1x USB 3.0	4x USB 2.0, 2x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0
	Serial	6x COM (COM5/6 supports RS-232/485)					
	Ethernet	2x GbE LAN					
	Display	1x VGA, 1x HDMI					
	SIM Card Slot	1x SIM card slot					
	DIO	4x DI, 4x DO					
	PS/2	N/A					
	Antenna	2x SMA antenna holes					
	Expansion Slot	PCI/PCIe	N/A				
Mini PCIe		1x Full length mini PCIe					
M.2		1x M.2 2230 Key E					
RF Communication	Wi-Fi	Mini PCIe/M.2 expansion (optional)					
	Cellular	Mini PCIe expansion (optional)					
	Bluetooth	Mini PCIe/M.2 expansion (optional)					
	GNSS	Mini PCIe expansion (optional)					
Audio	Audio	Mic in, line out					
	Button	Yes					
Power	Remote Power On/Off	2-pin remote switch					
	DC Input	12VDC					
	Power Mode	AT/ATX					
Operating System	Windows	Windows 7, Windows 10			Windows 10, Windows 11		
	Linux	Ubuntu					
Mechanical	Dimensions (W x D x H)	196 x 148 x 59 mm (7.72 x 5.83 x 2.32 inches)					
	Weight (N.W.)	1.5 kg (3.31 lbs)					
	Mounting	Wall mount					
	Material	Aluminum alloy					
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)					
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)					
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing					
Certification	EMC	CE, FCC, Class A					



Product Model		MBC-2400				
System	CPU	Intel® Core™ i3 -5020U	Intel® Core™ i5 -6300U	Intel® Core™ i3 -8145U	Intel® Core™ i5 -8265U	Intel® Core™ i7 -8565U
	CPU TDP	10W	15W			
	Memory	1x DDR3L 1333 MHz SO-DIMM up to 8GB	2x DDR4 2133 MHz SO-DIMM up to 32GB	2x DDR4 2133 MHz SO-DIMM up to 32GB	2x DDR4 2400 MHz SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD 1x mSATA				
	BIOS	AMI UEFI				
	Watchdog Timer	Software programmable supports 256 levels system reset				
I/O Port	USB	4x USB 2.0, 2x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0
	Serial	2x RS-232 (1x RJ45, 1x DB9)				
	Ethernet	6x RJ45 GbE Intel® I210AT				
	Display	1x VGA, 1x HDMI				
	SIM Card Slot	1x SIM card slot				
	DIO	4x DI, 4x DO				
	PS/2	N/A				
	Antenna	2x SMA antenna holes				
	Expansion Slot	PCI/PCIe	N/A			
Mini PCIe		1x Full length mini PCIe				
M.2		N/A				
RF Communication	Wi-Fi	Mini PCIe/M.2 expansion (optional)				
	Cellular	Mini PCIe expansion (optional)				
	Bluetooth	Mini PCIe/M.2 expansion (optional)				
	GNSS	Mini PCIe expansion (optional)				
Audio	Audio	Mic in, line out				
	Button	Yes				
Power	Remote Power On/Off	2-pin remote switch				
	DC Input	12VDC				
	Power Mode	AT/ATX				
Operating System	Windows	Windows 7, Windows 10			Windows 10	
	Linux	Ubuntu				
Mechanical	Dimensions (W x D x H)	196 x 148 x 59 mm (7.72 x 5.83 x 2.32 inches)				
	Weight (N.W.)	1.5 kg (3.31 lbs)				
	Mounting	Wall mount				
	Material	Aluminum alloy				
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)				
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)				
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing				
Certification	EMC	CE, FCC, Class A				

Embedded Box Computers

Fanless Box Computers



Product Model		MBC-2500					
System	CPU	Intel® Celeron® J1900	Intel® Core™ i3 -5020U	Intel® Core™ i5 -6300U	Intel® Core™ i3 -8145U	Intel® Core™ i5 -8265U	Intel® Core™ i5 -8265U
	CPU TDP	10W					
	Memory	1x DDR3L 1333 MHz SO-DIMM up to 8GB		2x DDR4 2133 MHz SO-DIMM up to 32GB		2x DDR4 2400 MHz SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD 1x mSATA		1x 2.5" SATA HDD 1x mSATA, 1 x M.2 2260/2280 NVME PCIe x4			
	BIOS	AMI UEFI					
	Watchdog Timer	Software programmable supports 256 levels system reset					
I/O Port	USB	6x USB 2.0, 1x USB 3.0	5x USB 2.0, 2x USB 3.0	3x USB 2.0, 4x USB 3.0	3x USB 2.0, 4x USB 3.0	3x USB 2.0, 4x USB 3.0	3x USB 2.0, 4x USB 3.0
	Serial	6x COM (COM5/6 supports RS-232/485)					
	Ethernet	2x RJ45 GbE Intel® I210AT					
	Display	1x VGA, 1x HDMI					
	SIM Card Slot	1x SIM card slot					
	DIO	4x DI, 4x DO					
	PS/2	N/A					
	Antenna	2x SMA antenna holes					
	PCI/PCIe	N/A					
Expansion Slot	Mini PCIe	1x Full length mini PCIe					
	M.2	1x M.2 2230 Key E					
	Wi-Fi	Mini PCIe/M.2 expansion (optional)					
RF Communication	Cellular	Mini PCIe expansion (optional)					
	Bluetooth	Mini PCIe/M.2 expansion (optional)					
	GNSS	Mini PCIe expansion (optional)					
	Audio	Mic in, line out					
Power	Button	Yes					
	Remote Power On/Off	2-pin remote switch					
	DC Input	9-36VDC					
	Power Mode	AT/ATX					
Operating System	Windows	Windows 7, Windows 10			Windows 10		
	Linux	Ubuntu					
Mechanical	Dimensions (W x D x H)	196 x 148 x 59 mm (7.72 x 5.83 x 2.32 inches)					
	Weight (N.W.)	1.5 kg (3.31 lbs)					
	Mounting	Wall mount					
	Material	Aluminum alloy					
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)					
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)					
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing					
Certification	EMC	CE, FCC, Class A					



Product Model		MBC-2600					
System	CPU	Intel® Core™ i3 -5020U	Intel® Celeron® 3865U	Intel® Core™ i5 -6300U	Intel® Core™ i3 -8145U	Intel® Core™ i5 -8265U	Intel® Core™ i5 -8265U
	CPU TDP	10W		15W			
	Memory	1x DDR3L 1333 MHz SO-DIMM up to 8GB	2x DDR4 2133MHz SO-DIMM up to 32GB		2x DDR4 2400 MHz SO-DIMM up to 32GB		
	Storage	1x 2.5" SATA HDD 1x mSATA					
	BIOS	AMI UEFI					
	Watchdog Timer	Software programmable supports 256 levels system reset					
I/O Port	USB	6x USB 2.0, 2x USB 3.0	6x USB 2.0, 2x USB 3.0	4x USB 2.0, 4x USB 3.0	4x USB 2.0, 4x USB 3.0	4x USB 2.0, 4x USB 3.0	4x USB 2.0, 4x USB 3.0
	Serial	6x COM (COM1/2 supports RS-232/485)					
	Ethernet	2x RJ45 GbE Intel® I210AT					
	Display	1x VGA, 1x HDMI					
	SIM Card Slot	1x SIM card slot					
	DIO	N/A					
	PS/2	N/A					
	Antenna	2x SMA antenna holes					
	PCI/PCIe	N/A					
Expansion Slot	Mini PCIe	1x Full length mini PCIe					
	M.2	1 x M.2 3052					
	Wi-Fi	Mini PCIe expansion (optional)					
RF Communication	Cellular	Mini PCIe expansion (optional)					
	Bluetooth	Mini PCIe expansion (optional)					
	GNSS	Mini PCIe expansion (optional)					
	Audio	Mic in, line out					
Power	Button	Yes					
	Remote Power On/Off	N/A					
	DC Input	9 to 36VDC					
	Power Mode	AT/ATX					
Operating System	Windows	Windows 7, Windows 10			Windows 10		
	Linux	Ubuntu				Windows 10	
Mechanical	Dimensions (W x D x H)	280 x 162 x 60mm (11.02 x 6.38 x 2.36 inches)					
	Weight (N.W.)	3 kg (6.61 lbs)					
	Mounting	Wall mount					
	Material	Aluminum alloy					
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)					
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)					
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing					
Certification	EMC	CE, FCC, Class A					

Embedded Box Computers

Fanless Box Computers



Product Model		MBC-3100					
System	CPU	Intel® Core™ i3 -5020U	Intel® Celeron® 3865U	Intel® Core™ i5 -6300U	Intel® Core™ i3 -8145U	Intel® Core™ i5 -8265U	Intel® Core™ i7 -8565U
	CPU TDP	10W		15W			
	Memory	1x DDR3L 1333 MHz SO-DIMM up to 8GB	2x DDR4 2133 MHz SO-DIMM up to 32GB	2x DDR4 2400 MHz SO-DIMM up to 32GB			
	Storage	1x 2.5" SATA HDD 1x mSATA					
	BIOS	AMI UEFI					
	Watchdog Timer	Software programmable supports 256 levels system reset					
I/O Port	USB	5x USB 2.0, 2x USB 3.0	5x USB 2.0, 2x USB 3.0	3x USB 2.0, 4x USB 3.0	3x USB 2.0, 4x USB 3.0	3x USB 2.0, 4x USB 3.0	3x USB 2.0, 4x USB 3.0
	Serial	6x COM (COM5/6 supports RS-232/485)					
	Ethernet	3x RJ45 GbE Intel® I210AT					
	Display	1x VGA, 1x HDMI					
	SIM Card Slot	1x SIM card slot					
	DIO	4x DI, 4x DO					
	PS/2	N/A					
	Antenna	2x SMA antenna holes					
	Expansion Slot	N/A					
RF Communication	Mini PCIe	1x Full length mini PCIe					
	M.2	1 x M.2 2230 Key E					
	Wi-Fi	Mini PCIe/M.2 expansion (optional)					
	Cellular	Mini PCIe expansion (optional)					
	Bluetooth	Mini PCIe/M.2 expansion (optional)					
Audio	GNSS	Mini PCIe expansion (optional)					
	Audio	Mic in, line out					
Power	Button	Yes					
	Remote Power On/Off	N/A					
	DC Input	9 to 36VDC					
Operating System	Power Mode	AT/ATX					
	Windows	Windows 7, Windows 10			Windows 10		
Mechanical	Linux	Ubuntu					
	Dimensions (W x D x H)	196 x 148 x 80 mm (7.72 x 5.83 x 3.15 inches)					
	Weight (N.W.)	2.5 kg (5.51 lbs)					
	Mounting	Wall mount					
Environment	Material	Aluminum alloy					
	Operating Temperature	-10°C to 60°C (14°F to 140°F)					
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)					
Certification	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing					
	EMC	CE, FCC, Class A					



Product Model		MBC-3200					
System	CPU	Intel® Celeron® J1900	Intel® Core™ i3 -5020U	Intel® Core™ i5 -6300U	Intel® Core™ i3 -8145U	Intel® Core™ i5 -8265U	Intel® Core™ i7 -8565U
	CPU TDP	10W		15W			
	Memory	1x DDR3L 1333 MHz SO-DIMM up to 8GB	2x DDR4 2133 MHz SO-DIMM up to 32GB	2x DDR4 2400 MHz SO-DIMM up to 32GB			
	Storage	1x 2.5" SATA HDD 1x mSATA	1x 2.5" SATA HDD, 1x mSATA, 1 x M.2 2260/2280 NVME PCIe x4				
	BIOS	AMI UEFI					
	Watchdog Timer	Software programmable supports 256 levels system reset					
I/O Port	USB	6x USB 2.0, 1x USB 3.0	6x USB 2.0, 1x USB 3.0	3x USB 2.0, 4x USB 3.0	3x USB 2.0, 4x USB 3.0	3x USB 2.0, 4x USB 3.0	3x USB 2.0, 4x USB 3.0
	Serial	6x COM (COM5/6 supports RS-232/485)					
	Ethernet	2x RJ45 GbE Intel® I210AT					
	Display	1x VGA, 2x HDMI					
	SIM Card Slot	1x SIM card slot					
	DIO	4x DI, 4x DO					
	PS/2	N/A					
	Antenna	2x SMA antenna holes					
	Expansion Slot	N/A					
RF Communication	Mini PCIe	1x Full length mini PCIe					
	M.2	1 x M.2 2230 Key E					
	Wi-Fi	Mini PCIe/M.2 expansion (optional)					
	Cellular	Mini PCIe expansion (optional)					
	Bluetooth	Mini PCIe/M.2 expansion (optional)					
Audio	GNSS	Mini PCIe expansion (optional)					
	Audio	Mic in, line out					
Power	Button	Yes					
	Remote Power On/Off	2-pin remote switch					
	DC Input	9 to 36VDC					
Operating System	Power Mode	AT/ATX					
	Windows	Windows 7, Windows 10			Windows 10		
Mechanical	Linux	Ubuntu					
	Dimensions (W x D x H)	196 x 148 x 80 mm (7.72 x 5.83 x 3.15 inches)					
	Weight (N.W.)	2.5 kg (5.51 lbs)					
	Mounting	Wall mount					
Environment	Material	Aluminum alloy					
	Operating Temperature	-10°C to 60°C (14°F to 140°F)					
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)					
Certification	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing					
	EMC	CE, FCC, Class A					

Embedded Box Computers

Fanless Box Computers



Product Model		MBC-7102		
System	CPU	Intel® Core™ i5-6300U	Intel® Core™ i5-8265U	Intel® Core™ i5-8265U
	CPU TDP	15W		
	Memory	2x DDR4 2133 MHz SO-DIMM up to 32GB	2x DDR4 2400 MHz SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD, 1x mSATA		
	BIOS	AMI UEFI		
I/O Port	Watchdog Timer	Software programmable supports 256 levels system reset		
	USB	4x USB 2.0, 4x USB 3.0		
	Serial	6x COM (COM1/2 supports RS-232, COM3/4/5/6 supports RS-232/485) with isolation		
	Ethernet	2x RJ45 GbE Intel® I210AT		
	Display	1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM card slot		
	DIO	4x DI, 4x DO		
	PS/2	1x PS/2 keyboard mouse		
	Antenna	N/A		
	Expansion Slot	PCI/PCIe	1x PCIe x1, 1x PCIe x4	
Mini PCIe		1x Full length mini PCIe		
M.2		N/A		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Audio	Audio	Mic in, line out		
	Button	Yes		
Power	Remote Power On/Off	2-pin remote switch		
	DC Input	9 to 36VDC		
	Power Mode	AT/ATX		
	Operating System	Windows	Windows 7, Windows 10	Windows 10
Mechanical	Linux	Ubuntu		
	Dimensions (W x D x H)	223x 189x 117mm (8.78 x 7.44 x 4.61 inches)		
	Weight (N.W.)	2.5 kg (5.51 lbs)		
	Mounting	Wall mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)		
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)		
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing		
Certification	EMC	CE, FCC, Class A		



Product Model		MBC-7111		
System	CPU	Intel® Core™ i5-6300U	Intel® Core™ i5-8265U	Intel® Core™ i5-8265U
	CPU TDP	15W		
	Memory	2x DDR4 2133 MHz SO-DIMM up to 32GB	2x DDR4 2400 MHz SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD, 1x mSATA		
	BIOS	AMI UEFI		
I/O Port	Watchdog Timer	Software programmable supports 256 levels system reset		
	USB	4x USB 2.0, 4x USB 3.0		
	Serial	6x COM (COM1/2 supports RS-232, COM3/4/5/6 supports RS-232/485) with isolation		
	Ethernet	2x RJ45 GbE Intel® I210AT		
	Display	1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM card slot		
	DIO	4x DI, 4x DO		
	PS/2	1x PS/2 keyboard mouse		
	Antenna	2x SMA antenna holes		
	Expansion Slot	PCI/PCIe	1x PCI, 1x PCIe x4	
Mini PCIe		1x Full length mini PCIe		
M.2		N/A		
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Audio	Audio	Mic in, line out		
	Button	Yes		
Power	Remote Power On/Off	2-pin remote switch		
	DC Input	9 to 36VDC		
	Power Mode	AT/ATX		
	Operating System	Windows	Windows 7, Windows 10	Windows 10
Mechanical	Linux	Ubuntu		
	Dimensions (W x D x H)	223x 189x 117mm (8.78 x 7.44 x 4.61 inches)		
	Weight (N.W.)	2.5 kg (5.51 lbs)		
	Mounting	Wall mount		
	Material	Aluminum alloy		
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)		
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)		
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing		
Certification	EMC	CE, FCC, Class A		

Embedded Box Computers

Fanless Box Computers



Product Model		MBC-7120		
System	CPU	Intel® Core™ i5-6300U	Intel® Core™ i5-8265U	Intel® Core™ i5-8265U
	CPU TDP	15W		
	Memory	2x DDR4 2133 MHz SO-DIMM up to 32GB	2x DDR4 2400 MHz SO-DIMM up to 32GB	
	Storage	1x 2.5" SATA HDD, 1x mSATA		
	BIOS	AMI UEFI		
	Watchdog Timer	Software programmable supports 256 levels system reset		
I/O Port	USB	4x USB 2.0, 4x USB 3.0		
	Serial	6x COM (COM1/2 supports RS-232, COM3/4/5/6 supports RS-232/485) with isolation		
	Ethernet	2x RJ45 GbE Intel® I210AT		
	Display	1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM card slot		
	DIO	4x DI, 4x DO		
	PS/2	1x PS/2 keyboard mouse		
	Antenna	N/A		
	Expansion Slot	2x PCI		
RF Communication	Mini PCIe	1x Full length mini PCIe		
	M.2	N/A		
	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)		
	Bluetooth	Mini PCIe expansion (optional)		
Audio	GNSS	Mini PCIe expansion (optional)		
	Audio	Mic in, line out		
	Button	Yes		
	Remote Power On/Off	2-pin remote switch		
Power	DC Input	9 to 36VDC		
	Power Mode	AT/ATX		
	Operating System	Windows 7, Windows 10	Windows 10	
Mechanical	Linux	Ubuntu		
	Dimensions (W x D x H)	223x 189x 117mm (8.78 x 7.44 x 4.61 inches)		
	Weight (N.W.)	2.5 kg (5.51 lbs)		
	Mounting	Wall mount		
Environment	Material	Aluminum alloy		
	Operating Temperature	-10°C to 60°C (14°F to 140°F)		
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)		
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing		
Certification	EMC			
		CE, FCC, Class A		

Machine Vision Computers



Product Model		VBC-210
System	CPU	Intel® LGA1151 6/7/8/9th Core i3/i5/i7 CPU
	Chipset	Intel® B365
	Memory	2 x DDR4-2133/2666 MHz DIMM up to 64GB
	Storage	1x 2.5" HDD 1x mSATA
	Graphics	By CPU
	TPM	TPM2.0 (Options)
I/O Port	USB	8x USB3.0
	Serial	6x RS232 (2x RS232/RS485)
	Ethernet	6x Intel LAN for GbE (4x POE Options)
	Display	1x VGA, 1x HDMI
	SIM Card Slot	1x SIM
	DIO	16x DIO
	Antenna	2x SMA-type
Expansion Slot	PCI/PCIe	N/A
	Mini PCIe	1x full-size mini PCIe
	M.2	N/A
RF Communication	Wi-Fi	Mini-PCIe Expansion (optional)
	Cellular	Mini-PCIe Expansion (optional)
	Bluetooth	Mini-PCIe Expansion (optional)
	GNSS	Mini-PCIe Expansion (optional)
Audio	Audio	Line out, Mic in
Power	Remote Power On/Off	4-Pin Remote & LED
	DC Input	9 to 28V DC-IN
	Power Consumption	1x 2-pin Terminal Block Connector
Operating System	Windows	Windows 7, windows 10, windows 11
	Linux	Ubuntu
Mechanical	Dimensions (W x D x H)	230 x 230 x 88mm (8.3 x 8.3 x 2.03 inches)
	Weight (N.W.)	2KG (4.41lbs)
	Mounting	Wall-mount
	Material	Sheet Metal
Environment	Operating Temperature	0°C to 60°C (32°F to 140°F, with SSD Airflow 0.7m/s)
	Storage Temperature	-20 to 85°C (-4°F to 185°F)
	Relative Humidity	10 to 85% (Non-condensing)
Certification	EMC	CE, FCC, Class A

Embedded Box Computers

Compact Embedded Computers



Product Model		NBC-1122		
System	CPU	Intel® Celeron® J1900	Intel® Celeron® J4105	
	Memory	1x DDR3L 1333 MHz SO-DIMM up to 8GB	1x DDR4 2400 MHz SO-DIMM up to 16GB	
	Storage	1x 2.5" SATA HDD 1x mSATA		
	BIOS	AMI UEFI		
	TPM	N/A		
I/O Port	Watchdog Timer	Software programmable supports 256 levels system reset		
	USB	3x USB 2.0, 1x USB 3.0	2x USB 2.0, 2x USB 3.0	
	Serial	2x COM (COM1 supports RS-232/485)	2x COM (RS-232)	
	Ethernet	2x RJ45 GbE RTL8111H/8106E		
	Display	1x VGA, 1x HDMI		
	SIM Card Slot	1x SIM card slot (inside)	N/A	
	CAN bus	N/A		
	Antenna	2x SMA Antenna Holes		
	Expansion Slot	Mini PCIe	1x Full length mini PCIe	
		M.2	N/A	
RF Communication	Wi-Fi	Mini PCIe expansion (optional)		
	Cellular	Mini PCIe expansion (optional)	N/A	
	Bluetooth	Mini PCIe expansion (optional)		
	GNSS	Mini PCIe expansion (optional)		
Audio	Audio	Mic in, line out		
	Button	Yes		
Power	DC Input	12VDC		
	Operating System	Windows 7, Windows 10	Windows 10	
Mechanical	Linux	Ubuntu		
	Dimensions (W x D x H)	130x 125x 53mm (5.12 x 4.92 x 2.09 inches)		
	Weight (N.W.)	0.9 kg (1.98 lbs)		
	Mounting	Wall mount		
Environment	Material	Aluminum alloy		
	Operating Temperature	-10°C to 60°C (14°F to 140°F)		
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)		
Certification	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing		
	EMC	CE, FCC, Class A		



Product Model		NBC-1360				
System	CPU	Intel® Celeron® J6412	Intel® Core™ i3-10110U/ i5-10310U	Intel® Core™ i3-1115G4/ i5-1155G7/i7-1195G7	Intel® Core™ i3-1215U/ i5-1235U/i7-1255U	
	Memory	1x DDR4 3200 MHz SO-DIMM up to 32GB	1x DDR4 2666 MHz SO-DIMM up to 32GB	1x DDR4L 3200 MHz SO-DIMM up to 32GB		
	Storage	1x 2.5" SATA HDD 1x M.2 2280 NVME				
	BIOS	AMI UEFI				
	TPM	BIOS				
I/O Port	Watchdog Timer	Software Programmable supports 256 levels system reset				
	USB	4x USB 2.0, 4x USB 3.0				
	Serial	2x COM (RS-232/485)				
	Ethernet	2x RJ45 GbE Intel® I210AT				
	Display	1x HDMI				
	SIM Card Slot	1x SIM card slot (inside)				
	CAN bus	N/A				
	Antenna	2x SMA antenna holes				
	Expansion Slot	Mini PCIe	1x Full length mini PCIe			
		M.2	1x M.2 2280 NVME	1x M.2 2280 NVME, 1x M.2 2230 E-Key	1x M.2 2280 NVME	1x M.2 2280 NVME, 1x M.2 2230 E-Key
RF Communication	Wi-Fi	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)	
	Cellular	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	
	Bluetooth	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)	
	GNSS	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	
Audio	Audio	Mic in, line out				
	Button	Yes				
Power	DC Input	9-36VDC	12VDC	12VDC	9-36VDC	
	Operating System	Windows	Windows 10, windows 11			
Mechanical	Linux	Ubuntu				
	Dimensions (W x D x H)	152x 138x 53mm (5.98 x 5.43 x 2.09 inches)				
	Weight (N.W.)	1.3 kg (2.87 lbs)				
	Mounting	Wall mount				
Environment	Material	Aluminum alloy				
	Operating Temperature	-10°C to 60°C (14°F to 140°F)				
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)				
Certification	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing				
	EMC	CE, FCC, Class A				

Embedded Box Computers

Compact Embedded Computers



Product Model		NBC-2360				
System	CPU	Intel® Celeron® J6412	Intel® Core™ i3-10110U/ i5-10310U	Intel® Core™ i3-1115G4/ i5-1155G7/i7-1195G7	Intel® Core™ i3-1215U/ i5-1235U/i7-1255U	
	Memory	1x DDR4 3200 MHZ SO-DIMM up to 32GB				
	Storage	1x M.2 2280 NVME				
	BIOS	AMI UEFI				
	TPM	BIOS				
I/O Port	Watchdog Timer	Software programmable supports 256 levels system reset				
	USB	2x USB 2.0, 4x USB 3.0				
	Serial	6x COM (2x RS-232/485)				
	Ethernet	2x RJ45 GbE Intel® I210AT				
	Display	1x HDMI				
	SIM Card Slot	1x SIM card slot (inside)				
	CAN bus	2x CAN2.0B (optional)				
	Antenna	2x SMA antenna holes				
	Expansion Slot	Mini PCIe	1x Full length mini PCIe			
		M.2	1x M.2 2280 NVME	1x M.2 2280 NVME, 1x M.2 2230 E-Key	1x M.2 2280 NVME	1x M.2 2280 NVME, 1x M.2 2230 E-Key
RF Communication	Wi-Fi	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)	
	Cellular	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	
	Bluetooth	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	1x M.2 2230 E-Key, Mini PCIe expansion (optional)	
	GNSS	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	Mini PCIe expansion (optional)	
Audio	Audio	Mic in, line out				
Power	Button	Yes				
	DC Input	9-36VDC	12VDC	12VDC	9-36VDC	
Operating System	Windows	Windows 10, windows 11				
	Linux	Ubuntu				
Mechanical	Dimensions (W x D x H)	152x 138x 53mm (5.98 x 5.43 x 2.09 inches)				
	Weight (N.W.)	1.3 kg (2.87 lbs)				
	Mounting	Wall mount				
	Material	Aluminum alloy				
Environment	Operating Temperature	-10 to 60°C (14 to 140°F)				
	Storage Temperature	-20 to 60°C (-4 to 140°F)				
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing				
Certification	EMC	CE, FCC, Class A				

DIN-Rail IPCs



Product Model		DBC-3200			
System	CPU	Intel® Celeron® J6412	Intel® Core™ i3-10110U/ i5-10310U	Intel® Core™ i3-1115G4/ i5-1155G7/i7-1195G7	Intel® Core™ i3-1215U/ i5-1235U/i7-1255U
	Memory	1x DDR4 3200 MHZ SO-DIMM up to 32GB			
	Storage	1x 2.5" SATA HDD, 1x M.2 2280 NVME			
I/O Port	USB	2x USB 2.0, 4x USB 3.0			
	Serial	4x COM (4x RS-232 or 2x RS-232, 2x RS-485)			
	Ethernet	2x GbE LAN			
	Display	1x HDMI, 1x VGA(optional)			
	SIM Card Slot	1x SIM card slot			
	DIO	N/A			
Expansion Slot	CAN bus	2x CAN 2.0B(optional)			
	Mini PCIe	1x Full length Mini PCIe			
RF Communication	M.2	1x M.2 2280 NVME	1x M.2 2280 NVME 1x M.2 2230 E-Key	1x M.2 2280 NVME	1x M.2 2280 NVME 1x M.2 2230 E-Key
	Wi-Fi	Mini PCIe	1x M.2 2230 E-Key	Mini PCIe	1x M.2 2230 E-Key
	Cellular	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe
	Bluetooth	Mini PCIe	1x M.2 2230 E-Key	Mini PCIe	1x M.2 2230 E-Key
Audio	GNSS	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe
	Audio	Mic in, Line out			
Power	DC Input	9-36VDC			
Operating System	Windows	Windows 10, Windows 11			
	Linux	Ubuntu			
Mechanical	Dimensions (W x D x H)	176x 120x 60mm (6.93 x 4.72 x 2.36 inches)			
	Weight (N.W.)	2.0kg (4.41lbs)			
	Mounting	DIN-Rail/Wall mount (optional)			
	Material	Aluminum alloy			
Environment	Operating Temperature	-10°C to 60°C (14°F to 142°F)			
	Storage Temperature	-10°C to 60°C (14°F to 142°F)			
	Relative Humidity	10% to 95% @ 40°C (104°F), non-condensing			
Certification	EMC	CE, FCC, Class A			

DIN-Rail IPCs



Product Model		DBC-3300			
System	CPU	Intel® Celeron™ J6412	Intel® Core™ i3-10110U/ i5-10310U	Intel® Core™ i3-1115G4/ i5-1155G7/i7-1195G7	Intel® Core™ i3-1215U/ i5-1235U/i7-1255U
	Memory	1x DDR4 3200 MHZ SO -DIMM up to 32GB	1x DDR4 2666 MHZ SO -DIMM up to 32GB	1x DDR4 3200 MHZ SO -DIMM up to 32GB	1x DDR4 3200 MHZ SO -DIMM up to 32GB
	Storage	1x 2.5" SATA HDD, 1x M.2 2280 NVME			
I/O Port	USB	2x USB 2.0, 4x USB 3.0			
	Serial	6x COM (6x RS-232 or 4x RS-232, 2x RS-485)			
	Ethernet	2x GbE LAN (4x GbE LAN, optional)			
	Display	1x HDMI, 1x VGA (optional)			
	SIM Card Slot	1x SIM card slot			
	DIO	N/A			
	CAN bus	2x CAN 2.0B(optional)			
	Mini PCIe	1x Full length Mini PCIe			
Expansion Slot	M.2	1x M.2 2280 NVME	1x M.2 2280 NVME 1x M.2 2230 E-Key	1x M.2 2280 NVME	1x M.2 2280 NVME 1x M.2 2230 E-Key
	Wi-Fi	Mini PCIe	1x M.2 2230 E-Key	Mini PCIe	1x M.2 2230 E-Key
RF Communication	Cellular	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe
	Bluetooth	Mini PCIe	1x M.2 2230 E-Key	Mini PCIe	1x M.2 2230 E-Key
	GNSS	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe
	Audio	Mic in, Line out			
Power	DC Input	9-36VDC			
Operating System	Windows	Windows 10, Windows 11			
	Linux	Ubuntu			
Mechanical	Dimensions (W x D x H)	176x 120x 76mm (6.93 x 4.72 x 3 inches)			
	Weight (N.W.)	2.2kg (4.85lbs)			
	Mounting	DIN-Rail/Wall mount (optional)			
Environment	Operating Temperature	-10°C to 60°C (14°F to 141°F)			
Certification	EMC	CE, FCC, Class A			



Product Model		DBC-3400			
System	CPU	Intel® Celeron® J6412	Intel® Core™ i3-10110U/ i5-10310U	Intel® Core™ i3-1115G4/ i5-1155G7/i7-1195G7	Intel® Core™ i3-1215U/ i5-1235U/i7-1255U
	Memory	1x DDR4 3200 MHZ SO -DIMM up to 32GB	1x DDR4 2666 MHZ SO -DIMM up to 32GB	1x DDR4 3200 MHZ SO -DIMM up to 32GB	1x DDR4 3200 MHZ SO -DIMM up to 32GB
	Storage	1x 2.5" SATA HDD, 1x M.2 2280 NVME			
I/O Port	USB	2x USB 2.0, 4x USB 3.0			
	Serial	5x COM (5x RS-232 or 3x RS-232, 2x RS-485)			
	Ethernet	2x GbE LAN			
	Display	1x HDMI, 1x VGA(optional)			
	SIM Card Slot	1x SIM card slot			
	DIO	8x Opto-isolated DIO/16x Opto-isolated DIO(optional)			
	CAN bus	2x CAN 2.0B(optional)			
	Mini PCIe	1x Full length Mini PCIe			
Expansion Slot	M.2	1x M.2 2280 NVME	1x M.2 2280 NVME 1x M.2 2230 E-Key	1x M.2 2280 NVME	1x M.2 2280 NVME 1x M.2 2230 E-Key
	Wi-Fi	Mini PCIe	1x M.2 2230 E-Key	Mini PCIe	1x M.2 2230 E-Key
RF Communication	Cellular	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe
	Bluetooth	Mini PCIe	1x M.2 2230 E-Key	Mini PCIe	1x M.2 2230 E-Key
	GNSS	Mini PCIe	Mini PCIe	Mini PCIe	Mini PCIe
	Audio	Mic in, Line out			
Power	DC Input	9-36VDC			
Operating System	Windows	Windows 10, Windows 11			
	Linux	Ubuntu			
Mechanical	Dimensions (W x D x H)	176x 120x 76mm (6.93 x 4.72 x 3 inches)			
	Weight (N.W.)	2.2kg (4.85lbs)			
	Mounting	DIN-Rail/Wall mount (optional)			
Environment	Operating Temperature	-10°C to 60°C (14°F to 140°F)			
Certification	EMC	CE, FCC, Class A			

Embedded Box Computers

Marine Embedded Computers



Product Model		MC-346
System	CPU	Intel Celeron®-7305E/Core™ i3-1315UE/ Intel Core™ i5-1345UE/Intel Core™ i7-1365UE processor
	Memory	2x SO-DIMM DDR5-4800/5200 MT/s (up to 64GB)
	Storage	1x M.2 Key M 2242/2280, Nvme PCIe x4 SSD 2x removable 2.5" SSD drive bays, RAID 0,1 Hot-swap
	Graphics	Intel® HD Graphics
I/O Port	USB	4x USB3.0, 2x USB2.0
	Serial	4x NMEA0183 (RS-422/485), 2x DB9(RS-232/422/485)
	Ethernet	4x 2.5GbE LAN
	PoE	N/A
	Display	2x DP++ (Up to 4K each)
	SIM Card Slot	1x Nano-SIM Card slot
	CAN bus	2x CAN2.0B (optional)
	GPIO	8x isolated DIO
	Antenna	5x SMA Holes
Expansion Slot	Mini PCIe	1x mini PCIe slot
	M.2	1x M.2 Key M 2242/2280 Nvme, 1x M.2 E-Key 2230, 1x M.2 B-Key 3052
		1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)
RF Communication	Cellular	1x M.2 3052 B-Key (USB3.0)
	Bluetooth	1x M.2 2230 E-Key (PCIe AxMac Wi-Fi 6)
	GNSS	1x Mini PCIe (USB2.0)
	Audio	1x Line-out, 1x MIC in
Power	Button	Yes
	DC Input	9 to 36V DC-IN (2-Pin Phoenix terminal 5.08 mm)
	Remote Power On/Off	2-Pin phoenix terminal (3.81 mm)
Operating System	Power Adaptor	AC-DC, 24V@5A, 120W
	Windows	Windows 10/11
Mechanical	Linux	Ubuntu22.04
	Dimensions (W x D x H)	216 x 164 x 82mm (8.5 x 6.46 x 3.23 inches)
	Weight (N.W.)	3.5kg (7.72 lbs)
	Mounting	Desktop
Environment	Material	Aluminum and SGCC
	Operating Temperature	-20°C to 60°C (-4°F to 140°F)
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Certification	Relative Humidity	5 to 95%, non-condensing
	EMC	IEC 60945/61162-1/2, IACS E10 certified (Pending)