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Modular Embedded Computing

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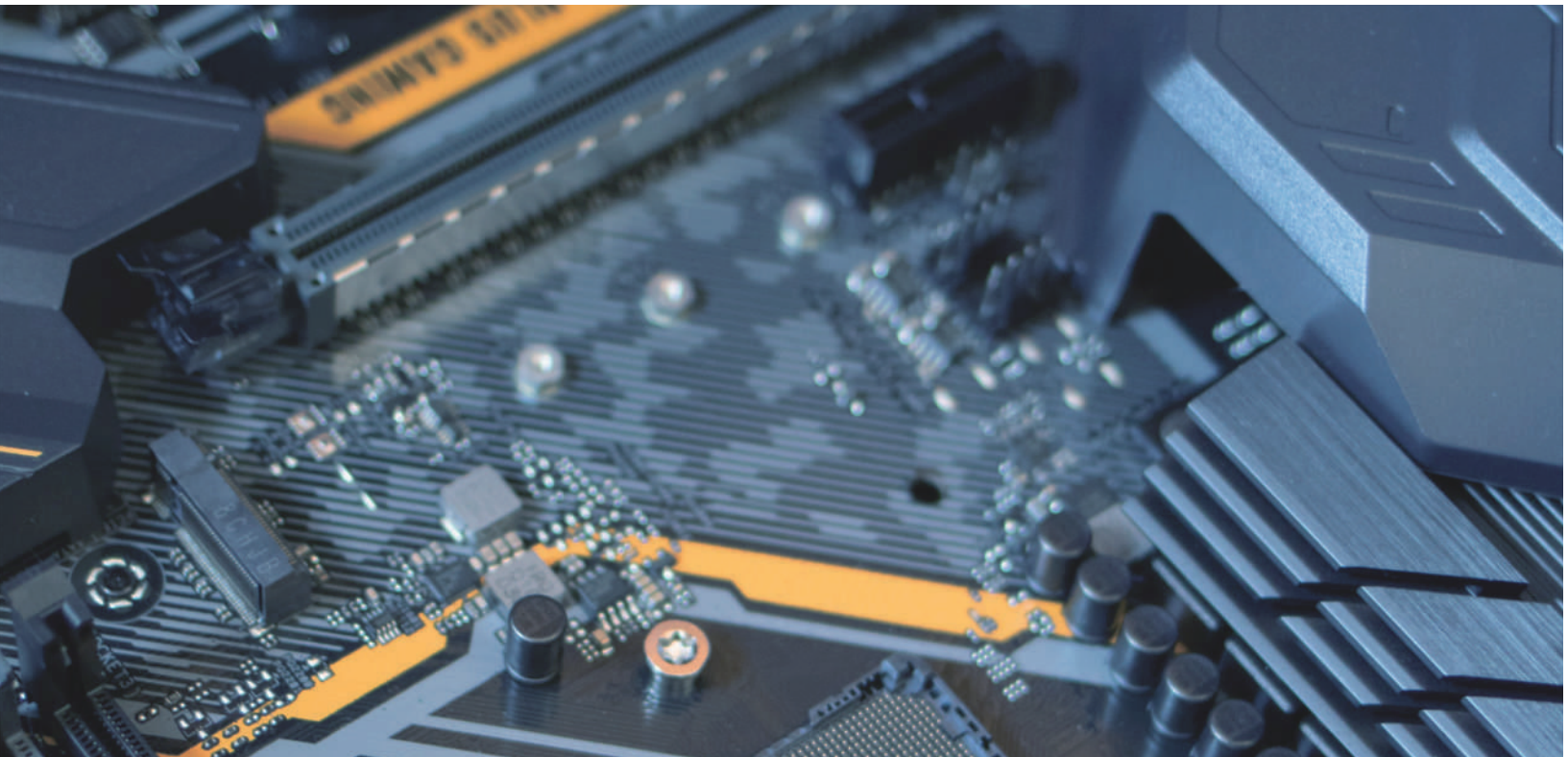
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About Arestech

Established in 2011, Arestech is swiftly evolved into a key player in the Industrial Computer field. As a system designer, manufacturer, and ODM specializing in Embedded Box PC, Industrial Panel PC, and Touch Monitor, we have successfully served various application-specific markets. We dedicate to delivering innovative, high-quality and high-performance embedded computing solutions to meet our customers' needs and expectations.

Certified by ISO 9001:2015 standard, Arestech proudly upholds the highest standards of quality management, ensuring that our processes and products consistently meet or exceed customer requirements.

At Arestech, we embrace "innovation", "diversity" and "flexibility" as our guiding principles. These values enable us to think outside the box and approach challenges with fresh ideas across diverse applications, markets, and industries. We recognize that different industries are constantly evolving, and we are confident that our products and services at Arestech will surpass all others.

Applications

- Industrial Automation
- Food & Beverage Processing
- Pharmaceutical & Medical Industry
- Warehouse Management
- Self-Service Kiosk
- Edge AI
- Machine Vision
- Human Machine Interface (HMI)



Core Competence

● Agility

We pride ourselves on our resilience while encountering market changes. We remain agile and responsive to the shifts in industry trends, enabling us to adapt quickly and provide corresponding solutions.

● Innovation

Arestech excels in ODM/JDM capabilities, tailoring solutions to meet customers' specific requirements and product specifications. We consistently expand and invest in research & development, perpetually enhancing our product innovation to sustain our leading edge in the market.

● Teamwork

We cultivate an inclusive environment that encourages our colleagues to express their ideas through effective communication. We contribute to develop new products and solutions by embracing suggestions from all team members, offering mutual support, and working together cohesively.

● Full service

Our comprehensive range of services covers everything from pre-sales to after-sales support, ensuring that customers receive prompt assistance while maintaining the highest standards of product quality and service experience.

● Commitment

Our primary focus is delivering cutting-edge solutions that empower our customers to achieve their business goals. At Arestech, we attentively address customer's requirements and promptly, effectively, and responsibly cater to those needs.

Our Vision

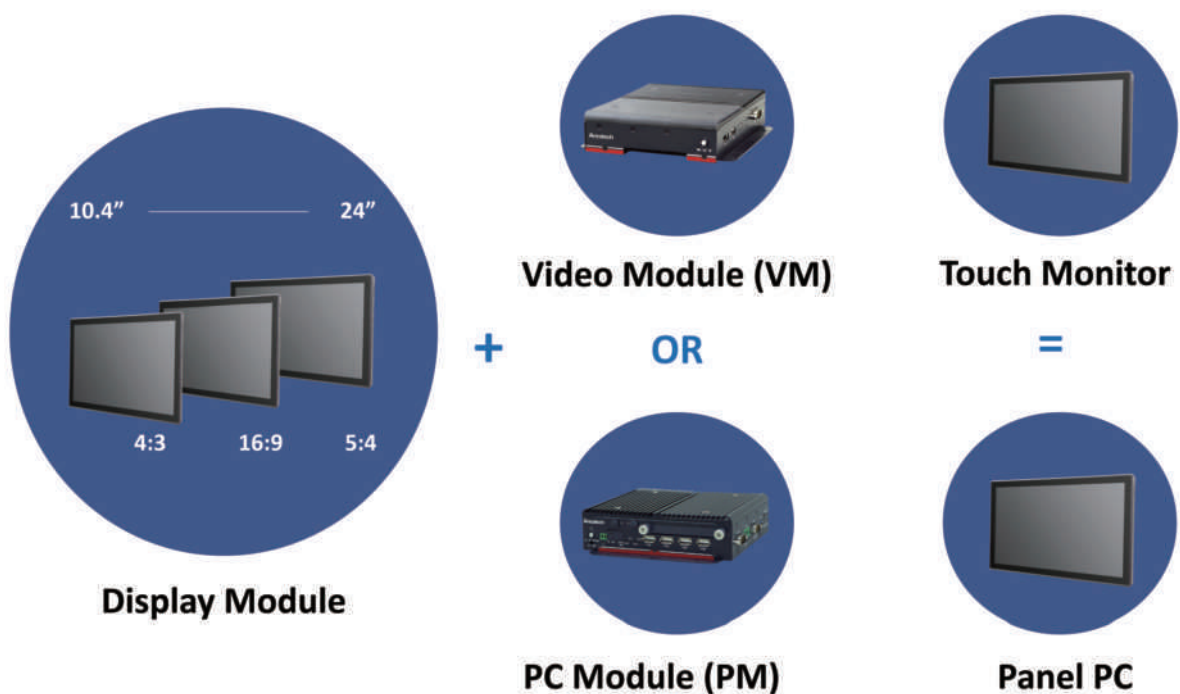
At Arestech, our vision is to pioneer the best solutions in Industrial Computer field, serving as the driving force behind innovative technology that can elevate and enrich people's lives. Our commitment goes beyond delivering cutting-edge products; we aim to be the front-runner in innovating industry-leading solutions that directly address the unique challenges faced by our customers. Rooted in industry knowledge, we empower our customers to leverage high-quality products and application-ready hardware, enabling faster time to market and fostering a seamless integration of technology into their evolving needs.

M

MODULAR DESIGN

The Modular Design Series comprises the PM (PC Module) series, VM (Video Module) series, DM (Display Module) series, and SM (Sunlight Readable Display Module) series. By seamlessly integrating the PM and VM series with the DM and SM series, they transform into a panel PC and touch monitor.

This modular design not only ensures product stability but also provides flexibility, facilitating easy installation maintenance, and future product upgrade. This confers a distinct advantage over competitors in terms of time-to-market. Together, the PM, VM, DM, and SM series offer a broad spectrum of over a hundred combinations. This diverse product matrix enables straightforward configuration to order, ultimately maximizing productivity while minimizing downtime.



Display Modules

DM Series			
			
Model	DM-110P	DM-112P	DM-115P
Panel Size	10.4"	12.1"	15"
Resolution	1024 x 768 (XGA)	1024 x 768 (XGA)	1024 x 768 (XGA)
Brightness	500cd/m2	600cd/m2	350cd/m2
Color Support	16.2M	16.7M	16.2M
Viewing Angle	176 (H) x 176 (V)	178 (H) x 178 (V)	176 (H) x 176 (V)
Contrast Ratio	1000:1	1000:1	2500:1
Touch Type	Projected Capacitive	Projected Capacitive	Projected Capacitive
Speaker	2 x 2W Internal Speakers	2 x 2W Internal Speakers	2 x 2W Internal Speakers
Ingress Protection	IP65 Compliant Front Panel	IP65 Compliant Front Panel	IP65 Compliant Front Panel
Operating Temperature	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal
Dimensions (W x H x D)	280.6 x 227.9 x 27.5mm	327.5 x 262 x 28mm	377 x 301 x 28.5mm
Weight	2.45kg	2.85kg	4.05kg

DM Series			
			
Model	DM-115PW	DM-117P	DM-119P
Panel Size	15.6"	17"	19"
Resolution	1920 x 1080 (FHD)	1280 x 1024 (SXGA)	1280 x 1024 (SXGA)
Brightness	450cd/m2	350cd/m2	350cd/m2
Color Support	16.2M	16.7M	16.7M
Viewing Angle	170 (H) x 170 (V)	160 (H) x 140 (V)	170 (H) x 160 (V)
Contrast Ratio	800:1	800:1	1000:1
Touch Type	Projected Capacitive	Projected Capacitive	Projected Capacitive
Speaker	2 x 2W Internal Speakers	2 x 2W Internal Speakers	2 x 2W Internal Speakers
Ingress Protection	IP65 Compliant Front Panel	IP65 Compliant Front Panel	IP65 Compliant Front Panel
Operating Temperature	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal
Dimensions (W x H x D)	393 x 254 x 29.5mm	407.3 x 338.7 x 30mm	449.7 x 374.4 x 31mm
Weight	3.85kg	4.85kg	5.85kg

Display Modules

DM Series

		
Model	DM-121PW	DM-124PW
Panel Size	21.5"	24"
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	300cd/m2	300cd/m2
Color Support	16.7M	16.7M
Viewing Angle	178 (H) x 178 (V)	178 (H) x 178 (V)
Contrast Ratio	5000:1	5000:1
Touch Type	Projected Capacitive	Projected Capacitive
Speaker	2 x 2W Internal Speakers	2 x 2W Internal Speakers
Ingress Protection	IP65 Compliant Front Panel	IP65 Compliant Front Panel
Operating Temperature	0°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal
Dimensions (W x H x D)	527 x 323 x 30mm	584 x 353 x 35mm
Weight	6.05kg	8.1kg

★ Sunlight Readable

SM Series

			
Model	SM-110P	SM-112P	SM-115P
Panel Size	10.4"	12.1"	15"
Resolution	1024 x 768 (XGA)	1024 x 768 (XGA)	1024 x 768(XGA)
Brightness	1600cd/m2	1500cd/m2	1500cd/m2
Color Support	16.2M	16.2M	16.2M
Viewing Angle	176 (H) x 176 (V)	178 (H) x 178 (V)	176 (H) x 176 (V)
Contrast Ratio	1000:1	1000:1	2500:1
Touch Type	Projected Capacitive	Projected Capacitive	Projected Capacitive
Speaker	2 x 2W Internal Speakers	2 x 2W Internal Speakers	2 x 2W Internal Speakers
Ingress Protection	IP65 Compliant Front Panel	IP65 Compliant Front Panel	IP65 Compliant Front Panel
Operating Temperature	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal
Dimensions (W x H x D)	280.6 x 227.9 x 27.5mm	327.5 x 262 x 28mm	377 x 301 x 28.5mm
Weight	2.45kg	2.85kg	4.05kg

Display Modules

★ Sunlight Readable

SM Series			
			
Model	SM-115PW	SM-117P	SM-119P
Panel Size	15.6"	17"	19"
Resolution	1920 x 1080 (FHD)	1280 x 1024 (SXGA)	1280 x 1024 (SXGA)
Brightness	1600cd/m2	1500cd/m2	1600cd/m2
Color Support	16.7M	16.7M	16.7M
Viewing Angle	178 (H) x 178 (V)	160 (H) x 140 (V)	170 (H) x 160 (V)
Contrast Ratio	800:1	800:1	1000:1
Touch Type	Projected Capacitive	Projected Capacitive	Projected Capacitive
Speaker	2 x 2W Internal Speakers	2 x 2W Internal Speakers	2 x 2W Internal Speakers
Ingress Protection	IP65 Compliant Front Panel	IP65 Compliant Front Panel	IP65 Compliant Front Panel
Operating Temperature	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal
Dimensions (W x H x D)	393 x 254 x 29.5mm	407.3 x 338.7 x 30mm	449.7 x 374.4 x 30mm
Weight	3.85kg	4.85kg	5.85kg

★ Sunlight Readable

SM Series		
		
Model	SM-121PW	SM-124PW
Panel Size	21.5"	24"
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	1500cd/m2	1500cd/m2
Color Support	16.7M	16.7M
Viewing Angle	178 (H) x 178 (V)	178 (H) x 178 (V)
Contrast Ratio	5000:1	5000:1
Touch Type	Projected Capacitive	Projected Capacitive
Speaker	2 x 2W Internal Speakers	2 x 2W Internal Speakers
Ingress Protection	IP65 Compliant Front Panel	IP65 Compliant Front Panel
Operating Temperature	-20°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel Aluminum with Back Cover Metal	Front Panel Aluminum with Back Cover Metal
Dimensions (W x H x D)	527 x 323 x 30mm	584 x 353 x 30mm
Weight	6.05kg	8.1kg

PC Modules

PM Series

			
Model	PM-5000	PM-4000	PM-3100 V12
CPU	13 th / 12 th Gen Intel® Core™/Pentium®/ Celeron® 35W LGA 1700 Processors	AMD Ryzen™ Embedded R2514	8 th / 9 th Gen Intel® Core™/Pentium®/ Celeron® 35W LGA 1151 Processors
Memory	2 x DDR5-4800/5600MHz 262-Pin SO-DIMM, up to 64GB	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 32GB	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 64GB
Display	3 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	3 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 4096 x 2160 1 x DVI-D, Max Resolution 1920 x 1200 1 x VGA, Max Resolution 1920 x 1200
Ethernet	2 x 2.5GbE (Intel® I226-IT)	2 x 2.5GbE (Realtek RTL8125BG)	2 x 2.5GbE (Intel® I226-IT) 1 x GbE (Intel® I219-LM)
USB	9 x USB3.2 (Gen2)	4 x USB3.1	6 x USB3.2 (Gen1), 4 x USB2.0
Serial Port	6 x RS232/422/485	3 x RS232/422/485	6 x RS232/422/485
Storage	2 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key1 2280 (SATA) 1 x M.2 M-Key2 2280 (NVMe x4 and SATA)	1 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x2 and SATA)	1 x Removable 2.5" SATA HDD Bay 1 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x4 and SATA) 1 x mSATA (Shared by 1 x Mini-PCIe)
Expansion	1 x Full-Size Mini-PCIe (PCIe, USB2.0 and SIM) 1 x M.2 B-Key 2242/3042/3052 (PCIe, USB3.0 and SIM) 1 x M.2 E-Key 2230 (PCIe, CNVi) 2 x SIM Holders	1 x Full-Size Mini-PCIe (PCIe, USB2.0 and SIM) 1 x M.2 B-Key 2242/3042/3052 (PCIe, USB3.0 and SIM) 2 x SIM Holders	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders
Audio	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Power	9~48V DC Input, AT/ATX Mode Switch	9~48V DC Input with Ignition Control	9~48V DC Input, AT/ATX Mode Switch
Operating Temperature	-40°C ~ 70°C	-40°C ~ 60°C	-40°C ~ 70°C
Material	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Type	VESA Mounting (100 x 100mm)	VESA Mounting (100 x 100mm)	VESA Mounting (100 x 100mm)
Dimensions (W x D x H)	240 x 200 x 88mm	162 x 140 x 65mm	241.5 x 230 x 73mm
Weight	3.8kg	2.2kg	3.3kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Window 11 (IoT/Professional), Linux	Windows 10 IoT, Window 11 (IoT/Professional), Linux

PM Series

			
Model	PM-2100	PM-2110S	PM-2000
CPU	Intel® Pentium® N4200 Processor	Intel® Pentium® N4200 Processor	Intel® Celeron® J1900 Processor
Memory	1 x DDR3L-1866MHz 204-Pin SO-DIMM, up to 8GB	1 x DDR3L-1866MHz 204-Pin SO-DIMM, up to 8GB	1 x DDR3L-1333MHz 204-Pin SO-DIMM, up to 8GB
Display	1 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200
Ethernet	2 x GbE (Intel® I210-AT)	2 x GbE (Intel® I210-AT)	2 x GbE (Intel® I210-AT)
USB	2 x USB3.2 (Gen1), 2 x USB2.0	2 x USB3.2 (Gen1), 2 x USB2.0	1 x USB3.0, 4 x USB2.0
Serial Port	2 x RS232/422/485	6 x RS232/422/485	2 x RS232/422/485
Storage	1 x Removable 2.5" SATA HDD Bay 1 x mSATA (Shared by 1 x Mini PCIe)	1 x Removable 2.5" SATA HDD Bay 1 x mSATA (Shared by 1 x Mini PCIe)	1 x Removable 2.5" SATA HDD Bay 1 x Cfast Socket (Shared by 1 x mSATA)
Expansion	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders
Audio	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Power	9~48V DC Input, AT/ATX Mode Switch	9~48V DC Input, AT/ATX Mode Switch	9~48V DC Input, AT/ATX Mode Switch
Operating Temperature	-40°C ~ 70°C	-40°C ~ 70°C	-40°C ~ 70°C
Material	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Type	VESA Mounting (100 x 100mm)	VESA Mounting (100 x 100mm)	VESA Mounting (100 x 100mm)
Dimensions (W x D x H)	168 x 135 x 47mm	168 x 135 x 63 mm	168 x 135 x 47mm
Weight	1.1kg	1.45kg	1.15kg
Operating System	Windows 10 IoT, Window 11 (IoT/Professional), Linux	Windows 10 IoT, Window 11 (IoT/Professional), Linux	Windows 10 IoT, Linux

Video Modules

VM Series	
	
Model	VM-2100
Video Interface	1 x DisplayPort, Max Resolution 4096 x 2160 1x DVI-D, Max Resolution 1920 x 1200 1 x VGA, Max Resolution 1920 x 1200
Touch Interface	1 x USB2.0 1 x RS232
Audio	1 x Audio Input
Power Supply Voltage	9~48V DC Input
Operating Temperature	-10°C ~ 60°C
Ingress Protection	N/A
Material	Extruded Aluminum with Heavy Duty Metal
Mounting Type	VESA Mounting (100 x 100mm)
Dimensions (W x D x H)	168 x 135 x 39mm
Weight	0.8kg

Waterproof Display Modules

WDM Series		
	 	 
Model	WDM-115P	WDM-117P
Panel Size	15"	17"
Resolution	1024 x 768 (XGA)	1280 x 1024 (SXGA)
Brightness	350cd/m2	350cd/m2
Color Support	16.2M	16.7M
Viewing Angle	176 (H) x 176 (V)	160 (H) x 140 (V)
Contrast Ratio	2500:1	800:1
Touch Type	Projected Capacitive	Projected Capacitive
Speaker	N/A	N/A
Ingress Protection	IP67 Full System	IP67 Full System
Operating Temperature	-20°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel SUS 304 Stainless Steel with Back Cover Aluminum	Front Panel SUS 304 Stainless Steel with Back Cover Aluminum
Mounting Type	Yoke / Wall Mounting	Yoke / Wall Mounting
Dimensions (W x H x D)	417.5 x 341.5 x 33mm	447.5 x 379 x 33mm
Weight	8.05kg	9.7kg

WDM Series		
	 	 
Model	WDM-121PW	WDM-124PW
Panel Size	21.5"	24"
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	300cd/m2	300cd/m2
Color Support	16.7M	16.7M
Viewing Angle	178 (H) x 178 (V)	178 (H) x 178 (V)
Contrast Ratio	5000:1	5000:1
Touch Type	Projected Capacitive	Projected Capacitive
Speaker	N/A	N/A
Ingress Protection	IP67 Full System	IP67 Full System
Operating Temperature	0°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel SUS 304 Stainless Steel with Back Cover Aluminum	Front Panel SUS 304 Stainless Steel with Back Cover Aluminum
Mounting Type	Yoke / Wall Mounting	Yoke / Wall Mounting
Dimensions (W x H x D)	567 x 363 x 32mm	624 x 391.5 x 35mm
Weight	10.8kg	12kg

Waterproof Display Modules

★ Sunlight Readable

Waterproof Display Modules

WSM Series		
	 	 
Model	WSM-115P	WSM-117P
Panel Size	15"	17"
Resolution	1024 x 768 (XGA)	1280 x 1024 (SXGA)
Brightness	1500cd/m2	1500cd/m2
Color Support	16.2M	16.7M
Viewing Angle	176 (H) x 176 (V)	160 (H) x 140 (V)
Contrast Ratio	2500:1	800:1
Touch Type	Projected Capacitive	Projected Capacitive
Speaker	N/A	N/A
Ingress Protection	IP67 Full System	IP67 Full System
Operating Temperature	-20°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel SUS 304 Stainless Steel with Back Cover Aluminum	Front Panel SUS 304 Stainless Steel with Back Cover Aluminum
Mounting Type	Yoke / Wall Mounting	Yoke / Wall Mounting
Dimensions (W x H x D)	417.5 x 341.5 x 33mm	447.5 x 379 x 33mm
Weight	8.05kg	9.7kg

★ Sunlight Readable

WSM Series		
	 	 
Model	WSM-121PW	WSM-124PW
Panel Size	21.5"	24"
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	1500cd/m2	1600cd/m2
Color Support	16.7M	16.7M
Viewing Angle	178 (H) x 178 (V)	178 (H) x 178 (V)
Contrast Ratio	5000:1	5000:1
Touch Type	Projected Capacitive	Projected Capacitive
Speaker	N/A	N/A
Ingress Protection	IP67 Full System	IP67 Full System
Operating Temperature	0°C ~ 60°C	-20°C ~ 60°C
Material	Front Panel SUS 304 Stainless Steel with Back Cover Aluminum	Front Panel SUS 304 Stainless Steel with Back Cover Aluminum
Mounting Type	Yoke / Wall Mounting	Yoke / Wall Mounting
Dimensions (W x H x D)	567 x 363 x 32mm	624 x 391.5 x 35mm
Weight	10.8kg	12kg

Waterproof PC Modules

WPM Series		
		
		
Model	WPM-2100	WPM-2000
CPU	Intel® Pentium® N4200 Processor	Intel® Celeron® J1900 Processor
Memory	1 x DDR3L-1866MHz 204-Pin SO-DIMM, up to 8GB	1 x DDR3L-1333MHz 204-Pin SO-DIMM, up to 8GB
USB	1 x USB3.0 and 2 x USB2.0 (M12 Connector)	1 x USB3.0 and 2 x USB2.0 (M12 Connector)
Serial Port	2 x RS232/422/485 (M12 Connector)	2 x RS232/422/485 (M12 Connector)
Ethernet	2 x GbE (Intel® I210-AT) (M12 Connector)	2 x GbE (Intel® I210-AT) (M12 Connector)
Display Ports	1 x VGA, Max Resolution 1920 x 1200 (M12 Connector)	1 x VGA, Max Resolution 1920 x 1200 (M12 Connector)
Storage	1 x 2.5" SATA SSD 1 x mSATA (Shared by 1 x Mini PCIe)	1 x 2.5" SATA SSD 1 x mSATA (Shared by 1 x Mini PCIe)
Expansion	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA)	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA)
Power	9~48V DC Input (M12 Connector)	9~48V DC Input (M12 Connector)
Operating Temperature	-40°C ~ 70°C	-40°C ~ 70°C
Ingress Protection	IP67 Full System	IP67 Full System
Material	SUS 304 Stainless Steel	SUS 304 Stainless Steel
Dimensions (W x D x H)	371 x 286 x 44mm	371 x 286 x 44mm
Weight	3.16kg	3.16kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Linux

Waterproof Video Modules

WVM Series	
	
	
Model	WVM-2100
Video Interface	1 x VGA, Max Resolution 1920 x 1200 (M12 Connector)
Touch Interface	1 x USB2.0 (M12 Connector) 1 x RS232 (M12 Connector)
Audio	N/A
Power Supply Voltage	9~48V DC Input (M12 Connector)
Operating Temperature	-10°C ~ 60°C
Ingress Protection	IP67 Full System
Material	SUS 304 Stainless Steel
Mounting Type	N/A
Dimensions (W x D x H)	371 x 286 x 44mm
Weight	3.16Kg

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Edge Computing

The Edge Computing Systems offer remarkable flexibility and reliability, catering to diverse requirements with integrated solutions. These systems stand out due to their high-performance processing, superior feature integration, flexible I/O selection, extensive range of power input, and wide range of operating temperature. The Edge Computing Systems provide a compelling platform, effectively meeting the requirements of modern demanding workloads and industrial needs.

Compact Box PC

SB / CB Series

		 COMING SOON	 COMING SOON
Model	SB-5000	CB-4000	CB-4010S
CPU	13 th / 12 th Gen Intel® Core™/Pentium®/ Celeron® 35W LGA 1700 Processors	AMD Ryzen™ Embedded R2514	AMD Ryzen™ Embedded R2514
Memory	2 x DDR5-4800/5600MHz 262-Pin SO-DIMM, up to 64GB	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 32GB	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 32GB
Display	3 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	3 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	3 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200
Ethernet	2 x 2.5GbE (Intel® I226-IT)	2 x 2.5GbE (Realtek RTL8125BG)	2 x 2.5GbE (Realtek RTL8125BG)
USB	9 x USB3.2 (Gen2)	4 x USB3.1	4 x USB3.1
Serial Port	6 x RS232/422/485	6 x RS232/422/485	6 x RS232/422/485
Storage	2 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key1 2280 (SATA) 1 x M.2 M-Key2 2280 (NVMe x4 and SATA)	1 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x2 and SATA)	1 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x2 and SATA)
Expansion	1 x Full-Size Mini-PCIe (PCIe, USB2.0 and SIM) 1 x M.2 B-Key 2242/3042/3052 (PCIe, USB3.0 and SIM) 1 x M.2 E-Key 2230 (PCIe, CNVi) 2 x SIM Holders	1 x Full-Size Mini-PCIe (PCIe, USB2.0 and SIM) 1 x M.2 B-Key 2242/3042/3052 (PCIe, USB3.0 and SIM) 2 x SIM Holders	1 x Full-Size Mini-PCIe (PCIe, USB2.0 and SIM) 1 x M.2 B-Key 2242/3042/3052 (PCIe, USB3.0 and SIM) 2 x SIM Holders
Audio	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Power	9~48V DC Input, AT/ATX Mode Switch	9~48V DC Input, AT/ATX Mode Switch	9~48V DC Input, AT/ATX Mode Switch
Operating Temperature	-40°C ~ 70°C	-40°C ~ 60°C	-40°C ~ 60°C
Material	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Type	Wall Mounting	Wall Mounting	Wall Mounting
Dimensions (W x D x H)	240 x 200 x 88mm	241.5 x 230 x 73mm	161 x 140 x 97.5mm
Weight	3.8kg	2.2kg	2.5kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux

Compact Box PC

MERA Series			
			
Model	MERA-3100-3L V12	MERA-3110-7L V12	MERA-3110-3L-4P V12
CPU	8 th / 9 th Gen Intel® Core™/Pentium®/ Celeron® 35W LGA 1151 Processors	8 th / 9 th Gen Intel® Core™/Pentium®/ Celeron® 35W LGA 1151 Processors	8 th / 9 th Gen Intel® Core™/Pentium®/ Celeron® 35W LGA 1151 Processors
Memory	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 64GB	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 64GB	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 64GB
Display	1 x DisplayPort, Max Resolution 4096 x 2160 1 x DVI-D, Max Resolution 1920 x 1200 1 x VGA, Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 4096 x 2160 1 x DVI-D, Max Resolution 1920 x 1200 1 x VGA, Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 4096 x 2160 1 x DVI-D, Max Resolution 1920 x 1200 1 x VGA, Max Resolution 1920 x 1200
Ethernet	2 x 2.5GbE (Intel® I226-IT) 1 x GbE (Intel® I219-LM)	2 x 2.5GbE (Intel® I226-IT) 1 x GbE (Intel® I219-LM) 4 x GbE (Intel® i350-AM4)	2 x 2.5GbE (Intel® I226-IT) 1 x GbE (Intel® I219-LM) 4 x PoE (Intel® i350-AM4)
USB	6 x USB3.2 (Gen1), 4 x USB2.0	6 x USB3.2 (Gen1), 4 x USB2.0	6 x USB3.2 (Gen1), 4 x USB2.0
Serial Port	6 x RS232/422/485	6 x RS232/422/485	6 x RS232/422/485
Storage	1 x Removable 2.5" SATA HDD Bay 1 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x4 and SATA) 1 x mSATA (Shared by 1 x Mini-PCIe)	4 x Removable 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x4 and SATA) 1 x mSATA (Shared by 1 x Mini-PCIe)	4 x Removable 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x4 and SATA) 1 x mSATA (Shared by 1 x Mini-PCIe)
Expansion	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders
Audio	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Power	9~48V DC Input, AT/ATX Mode Switch	9~48V DC Input, AT/ATX Mode Switch	9~48V DC Input, AT/ATX Mode Switch
Operating Temperature	-40°C ~ 70°C	-40°C ~ 70°C	-40°C ~ 70°C
Material	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Type	Wall Mounting	Wall Mounting	Wall Mounting
Dimensions (W x D x H)	241.5 x 230 x 73mm	241.5 x 230 x 92.6mm	241.5 x 230 x 92.6mm
Weight	3.3kg	4.15kg	4.35kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux

MERA Series		
		
Model	MERA-2100	MERA-2110S
CPU	Intel® Pentium® N4200 Processor	Intel® Pentium® N4200 Processor
Memory	1 x DDR3L-1866MHz 204-Pin SO-DIMM, up to 8GB	1 x DDR3L-1866MHz 204-Pin SO-DIMM, up to 8GB
Display	1 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200
Ethernet	2 x GbE (Intel® I210-AT)	2 x GbE (Intel® I210-AT)
USB	2 x USB3.2 (Gen1), 2 x USB2.0	2 x USB3.2 (Gen1), 2 x USB2.0
Serial Port	2 x RS232/422/485	6 x RS232/422/485
Storage	1 x Removable 2.5" SATA HDD Bay 1 x mSATA (Shared by 1 x Mini-PCIe)	1 x Removable 2.5" SATA HDD Bay 1 x mSATA (Shared by 1 x Mini-PCIe)
Expansion	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders
Audio	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Power	9~48V DC Input, AT/ATX Mode Switch	9~48V DC Input, AT/ATX Mode Switch
Operating Temperature	-40°C ~ 70°C	-40°C ~ 70°C
Material	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Type	Wall Mounting	Wall Mounting
Dimensions (W x D x H)	168 x 135 x 47mm	168 x 135 x 63mm
Weight	1.1kg	1.3kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux

Compact Box PC

MERA Series		
		
Model	MERA-2000-2L	MERA-2001S-2L
CPU	Intel® Celeron® J1900 Processor	Intel® Celeron® J1900 Processor
Memory	1x DDR3L-1333MHz 204-Pin SO-DIMM, up to 8GB	1x DDR3L-1333MHz 204-Pin SO-DIMM, up to 8GB
Display	1 x DisplayPort, Max Resolution 1920 x 1200 1 x DVI-I (DVI-D+VGA), Max Resolution 1920 x 1200	1x DVI-I (DVI-D+VGA), Max Resolution 1920 x 1200 1x DisplayPort, Max Resolution 1920 x 1200
Ethernet	2 x GbE (Intel® I210-AT)	2 x GbE (Intel® I210-AT)
USB	1 x USB3.0, 4 x USB2.0	1 x USB3.0, 4 x USB2.0
Serial Port	2 x RS232/422/485	6 x RS232/422/485
Storage	1 x Removable 2.5" SATA HDD Bay 1 x Cfast Socket (Shared by mSATA) 1 x mSATA Socket (Shared by 1x Mini-PCIe and Cfast)	2 x Removable 2.5" SATA HDD Bay 1 x Cfast Socket (Shared by mSATA and 1x SATA) 1 x mSATA Socket (Shared by Cfast and 1x SATA)
Expansion	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders
Audio	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Power	9~48V DC Input, AT/ATX Mode Switch	9~48V DC Input, AT/ATX Mode Switch
Operating Temperature	-40°C ~ 70°C	-40°C ~ 70°C
Material	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Type	Wall Mounting	Wall Mounting
Dimensions (W x D x H)	168 x 135 x 47mm	168 x 135 x 63mm
Weight	1.1kg	1.4kg
Operating System	Windows 10 IoT, Linux	Windows 10 IoT, Linux

Compact Box PC

Expandable Box PC

Expandable Box PC

SE / CE Series			
			
Model	SE-5014E	SE-5012E	CE-4012E
CPU	13th/ 12th Gen Intel® Core™/Pentium®/ Celeron® 35W LGA 1700 Processors	13th/ 12th Gen Intel® Core™/Pentium®/ Celeron® 35W LGA 1700 Processors	AMD Ryzen™ Embedded R2514
Memory	2 x DDR5-4800/5600MHz 262-Pin SO-DIMM, up to 64GB	2 x DDR5-4800/5600MHz 262-Pin SO-DIMM, up to 64GB	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 32GB
Display	3 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	3 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	3 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200
Ethernet	2 x 2.5GbE (Intel® I226-IT)	2 x 2.5GbE (Intel® I226-IT)	2 x 2.5GbE (Realtek RTL8125BG)
USB	8 x USB3.2 (Gen2), 1 x Internal USB3.2 (Gen2)	8 x USB3.2 (Gen2), 1 x Internal USB3.2 (Gen2)	4 x USB3.1
Serial Port	6 x RS232/422/485	6 x RS232/422/485	6 x RS232/422/485
Storage	2 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key1 2280 (SATA) 1 x M.2 M-Key2 2280 (NVMe x4 and SATA)	2 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key1 2280 (SATA) 1 x M.2 M-Key2 2280 (NVMe x4 and SATA)	1 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x2 and SATA)
Expansion	1 x Full-Size Mini-PCIe (PCIe, USB2.0 and SIM) 1 x M.2 B-Key 2242/3042/3052 (PCIe, USB3.0 and SIM), 1 x M.2 E-Key 2230 (PCIe, CNVi) 2 x SIM Holders 1 x PCIe x16 Slot 2 x PCIe x8 Slot (4 lane)	1 x Full-Size Mini-PCIe (PCIe, USB2.0 and SIM) 1 x M.2 B-Key 2242/3042/3052 (PCIe, USB3.0 and SIM), 1 x M.2 E-Key 2230 (PCIe, CNVi) 2 x SIM Holders 1 x PCIe x16 Slot	1 x Full-Size Mini-PCIe (PCIe, USB2.0 and SIM) 1 x M.2 B-Key 2242/3042/3052 (PCIe, USB3.0 and SIM) 2 x SIM Holders 2 x PCIe x8 Slot (4-Lane)
Audio	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Power	9~48V DC (Without GPU Card) 24~48V DC (With GPU Card)	9~48V DC (Without GPU Card) 24~48V DC (With GPU Card)	9~48V DC (Without GPU Card)
Operating Temperature	-40°C ~ 70°C	-40°C ~ 70°C	-40°C ~ 60°C
Material	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Type	Wall Mounting	Wall Mounting	Wall Mounting
Dimensions (W x D x H)	217 x 326 x 228mm	177 x 326 x 228mm	175 x 265 x 178mm
Weight	9.7kg	8.8kg	5.35kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux

Expandable Box PC

MEGA Series



	MEGA-3112 V12	MEGA-3113 V12
Model		
CPU	8 th / 9 th Gen Intel® Core™/Pentium®/Celeron® 35W LGA 1151 Processors	
Memory	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 64GB	
Display	1 x DisplayPort, Max Resolution 4096 x 2160 1 x DVI-D, Max Resolution 1920 x 1200 1 x VGA, Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 4096 x 2160 1 x DVI-D, Max Resolution 1920 x 1200 1 x VGA, Max Resolution 1920 x 1200
Ethernet	2 x 2.5GbE (Intel® I226-IT) 1 x GbE (Intel® I219-LM)	2 x 2.5GbE (Intel® I226-IT) 1 x GbE (Intel® I219-LM)
USB	6 x USB3.2 (Gen1), 4 x Internal USB2.0	
Serial Port	6 x RS232/422/485	
Storage	2 x Removable 2.5" SATA HDD Bay 2 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x4 and SATA) 1 x mSATA (Shared by 1 x Mini-PCIe)	2 x Removable 2.5" SATA HDD Bay 2 x Internal 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x4 and SATA) 1 x mSATA (Shared by 1 x Mini-PCIe)
Expansion	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders
Audio	1 x Line-out, 1 x Mic-in	
Power	9~48V DC (Without GPU Card) 24~48V DC(With GPU Card)	9~48V DC (Without GPU Card) 24~48V DC(With GPU Card)
Operating Temperature	-40°C ~ 70°C	
Material	Extruded Aluminum with Heavy Duty Metal	
Mounting Type	Wall Mounting	
Dimensions (W x D x H)	148 x 356 x 241.5mm	168 x 356 x 241.5mm
Weight	7.35kg	7.55kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	

MEVA Series



	MEVA-3112P V12	MEVA-3112E V12
Model		
CPU	8 th / 9 th Gen Intel® Core™/Pentium®/Celeron® 35W LGA 1151 Processors	
Memory	2 x DDR4-2666MHz 260-Pin SO-DIMM, up to 64GB	
Display	1 x DisplayPort, Max Resolution 4096 x 2160 1 x DVI-D, Max Resolution 1920 x 1200 1 x VGA, Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 4096 x 2160 1 x DVI-D, Max Resolution 1920 x 1200 1 x VGA, Max Resolution 1920 x 1200
Ethernet	2 x 2.5GbE (Intel® I226-IT) 1 x GbE (Intel® I219-LM)	2 x 2.5GbE (Intel® I226-IT) 1 x GbE (Intel® I219-LM)
USB	6 x USB3.2 (Gen1), 4 x USB2.0	
Serial Port	6 x RS232/422/485	
Storage	4 x Removable 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x4 and SATA) 1 x mSATA (Shared by 1 x Mini-PCIe)	4 x Removable 2.5" SATA HDD Bay 1 x M.2 M-Key 2280 (NVMe x4 and SATA) 1 x mSATA (Shared by 1 x Mini-PCIe)
Expansion	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders 2 x PCI Slot	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x SIM Holders 1 x PCIe x16 slot 1 x PCIe x8 Slot (4-Lane)
Audio	1 x Line-out, 1 x Mic-in	
Power	9~48V DC (Without GPU Card) 24~48V DC(With GPU Card)	9~48V DC (Without GPU Card) 24~48V DC(With GPU Card)
Operating Temperature	-40°C ~ 70°C	
Material	Extruded Aluminum with Heavy Duty Metal	
Mounting Type	Wall Mounting	
Dimensions (W x D x H)	148 x 231 x 241.5mm	148 x 231 x 241.5mm
Weight	5.35kg	5.35kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	

Expandable Box PC

MEVA Series		
		
Model	MEVA-2112E	MEVA-2112P
CPU	Intel® Pentium® N4200 Processor	Intel® Pentium® N4200 Processor
Memory	1 x DDR3L-1866MHz 204-Pin SO-DIMM, up to 8GB	1 x DDR3L-1866MHz 204-Pin SO-DIMM, up to 8GB
Display	1 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 4096 x 2160 1 x VGA, Max Resolution 1920 x 1200
Ethernet	2 x GbE (Intel® I210-AT)	2 x GbE (Intel® I210-AT)
USB	2 x USB3.2 (Gen1), 2 x USB2.0	2 x USB3.2 (Gen1), 2 x USB2.0
Serial Port	6 x RS232/422/485	6 x RS232/422/485
Storage	1 x Removable 2.5" SATA HDD Bay 1 x mSATA (Shared by 1x Mini-PCle)	1 x Removable 2.5" SATA HDD Bay 1 x mSATA (Shared by 1 x Mini-PCle)
Expansion	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x PCIe x4 Slots (1-lane)	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x PCI Slots
Audio	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Power	9~48V DC Input with Ignition Control	9~48V DC Input with Ignition Control
Operating Temperature	-40°C ~ 70°C	-40°C ~ 70°C
Material	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Type	Wall Mounting	Wall Mounting
Dimensions (W x D x H)	127 x 216 x 168mm	127 x 216 x 168mm
Weight	2.85kg	2.85kg
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux

MEVA Series		
		
Model	MEVA-2012E	MEVA-2012P
CPU	Intel® Celeron® J1900 Processor	Intel® Celeron® J1900 Processor
Memory	1 x DDR3L-1333MHz 204-Pin SO-DIMM, up to 8GB	1 x DDR3L-1333MHz 204-Pin SO-DIMM, up to 8GB
Display	1 x DisplayPort, Max Resolution 1920 x 1200 1 x DVI-I (DVI-D+VGA), Max Resolution 1920 x 1200	1 x DisplayPort, Max Resolution 1920 x 1200 1 x DVI-I (DVI-D+VGA), Max Resolution 1920 x 1200
Ethernet	2 x GbE (Intel® I210-AT)	2 x GbE (Intel® I210-AT)
USB	1 x USB3.0, 4 x USB2.0	1 x USB3.0, 4 x USB2.0
Serial Port	6 x RS232/422/485	6 x RS232/422/485
Storage	1 x Removable 2.5" SATA HDD Bay 1 x Internal 2.5"SATA HDD Bay 1 x Cfast Socket (Shared by 1 x SATA and mSATA) 1 x mSATA Socket (Shared by 1 x Mini-PCle, 1 x SATA and Cfast)	1 x Removable 2.5" SATA HDD Bay 1 x Internal 2.5"SATA HDD Bay 1 x Cfast Socket (Shared by 1 x SATA and mSATA) 1 x mSATA Socket (Shared by 1 x Mini-PCle, 1 x SATA and Cfast)
Expansion	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x PCIe x4 Slots (1-lane)	1 x Full-size Mini PCIe Socket (PCIe, USB2.0 and SIM) 1 x Full-size Mini PCIe Socket (SATA, USB2.0 and SIM) (Shared by 1 x mSATA) 2 x PCI Slots
Audio	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
Power	9~48V DC Input with Ignition Control	9~48V DC Input with Ignition Control
Operating Temperature	-40°C ~ 70°C	-40°C ~ 70°C
Material	Extruded Aluminum with Heavy Duty Metal	Extruded Aluminum with Heavy Duty Metal
Mounting Type	Wall Mounting	Wall Mounting
Dimensions (W x D x H)	127 x 216 x 168mm	127 x 216 x 168mm
Weight	2.85kg	2.85kg
Operating System	Windows 10 IoT, Linux	Windows 10 IoT, Linux

IP Grade Panel PC

The PPC-Z Series, featuring the grade of IP66/69K rating, is completely dustproof and waterproof. The stainless-steel design makes it ideal for environments where exposure to liquids, sprays, and even corrosive substances. The stainless-steel Panel PCs are widely used for application in Food and Beverage and other industries that put hygiene as their top priority.

IP Grade Panel PC

PPC-Z series



PPC-Z2112



PPC-Z2164

Model	PPC-Z2112	PPC-Z2164
Panel Size	21.5"	21.5"
CPU	12 th Gen Intel® Core™ i5-1235U Processor	Intel® Celeron® J6412 Processor
Memory	2 x DDR4-3200MHz 260-Pin SO-DIMM, up to 64GB	2 x DDR4-3200MHz 260-Pin SO-DIMM, up to 32GB
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	250cd/m2	250cd/m2
Ethernet	2 x 2.5GbE (Intel® I226V) (M12 Connector)	2 x GbE (Intel® I211AT) (M12 Connector)
USB	2 x USB3.0 (M12 Connector) , 1 x M12 for 2 x USB2.0 1 x IP67 USB3.0 Connector	2 x USB3.0 (M12 Connector) , 1 x M12 for 2 x USB2.0 1 x IP67 USB3.0 Connector
Serial Port	2 x RS232/422/485 (M12 Connector)	2 x RS232/422/485 (M12 Connector)
Others	RFID Reader	RFID Reader
Storage	1 x 2.5" HDD/SSD 1 x M.2 M-Key 2280 (PCIe Gen4x4, SATA)	1 x 2.5" HDD/SSD 1 x M.2 M-Key 2280 (PCIe x2, SATA)
Expansion	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x M2 E-Key 2230 1 x SIM Holder	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x SIM Holder
Power	9~36V DC Input	9~36V DC Input
Operating Temperature	0°C ~ 60°C	0°C ~ 60°C
Material	Stainless Steel 316	SUS 316 Stainless Steel
Mounting Type	VESA Mounting (100 x 100, 200 x 200mm)/ Yoke / Wall Mounting	VESA Mounting (100 x 100, 200 x 200mm)/ Yoke / Wall Mounting
Dimensions (W x D x H)	570 x 66.9 x 430mm	570 x 66.9 x 430mm
Weight	12kg	12kg
Ingress Protection	IP66/69K Full System	IP66/69K Full System
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux

IP Grade Panel PC

PPC-Z series

		
Model	PPC-Z1912	PPC-Z1712
Panel Size	19"	17"
CPU	12 th Gen Intel® Core™ i5-1235U Processor	12 th Gen Intel® Core™ i5-1235U Processor
Memory	2 x DDR4-3200MHz 260-Pin SO-DIMM, up to 64GB	2 x DDR4-3200MHz 260-Pin SO-DIMM, up to 64GB
Resolution	1280 x 1024 (SXGA)	1280 x 1024 (SXGA)
Brightness	350cd/m2	350cd/m2
Ethernet	2 x 2.5GbE (Intel® I226V) (M12 Connector)	2 x 2.5GbE (Intel® I226V) (M12 Connector)
USB	2 x USB3.0 (M12 Connector), 1 x M12 for 2 x USB2.0	2 x USB3.0 (M12 Connector), 1 x M12 for 2 x USB2.0
Serial Port	2 x RS232/422/485 (M12 Connector)	2 x RS232/422/485 (M12 Connector)
Others	N/A	N/A
Storage	1 x 2.5" HDD/SSD 1 x M.2 M-Key 2280 (PCIe Gen4x4, SATA)	1 x 2.5" HDD/SSD 1 x M.2 M-Key 2280 (PCIe Gen4x4, SATA)
Expansion	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x M2 E-Key 2230 1 x SIM Holder	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x M2 E-Key 2230 1 x SIM Holder
Power	9~36V DC Input	9~36V DC Input
Operating Temperature	-20°C ~ 60°C	-20°C ~ 60°C
Material	SUS 316 Stainless Steel	SUS 316 Stainless Steel
Mounting Type	VESA Mounting (100 x 100, 200 x 200mm)/ Yoke / Wall Mounting	VESA Mounting (100 x 100, 200 x 200mm)/ Yoke / Wall Mounting
Dimensions (W x D x H)	499 x 66.9 x 420mm	439 x 66.9 x 373mm
Weight	10kg	7.7kg
Ingress Protection	IP66/69K Full System	IP66/69K Full System
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux

PPC-Z series

		
Model	PPC-Z1512PW	PPC-Z1564PW
Panel Size	15.6"	15.6"
CPU	12 th Gen Intel® Core™ i5-1235U Processor	Intel® Celeron® J6412 Processor
Memory	2 x DDR4-3200MHz 260-Pin SO-DIMM, up to 32GB	2 x DDR4-3200MHz 260-Pin SO-DIMM, up to 32GB
Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)
Brightness	450cd/m2	450cd/m2
Ethernet	2 x 2.5GbE (Intel® I226V) (M12 Connector)	2 x GbE (Intel® I211AT) (M12 Connector)
USB	1 x M12 for 2 x USB2.0	1 x M12 for 2 x USB2.0
Serial Port	2 x RS232/422/485 (M12 Connector)	2 x RS232/422/485 (M12 Connector)
Others	N/A	N/A
Storage	1 x 2.5" HDD/SSD 1 x M.2 M-Key 2280 (PCIe Gen4x4, SATA)	1 x 2.5" HDD/SSD 1 x M.2 M-Key 2280 (PCIe x2, SATA)
Expansion	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x M2 E-Key 2230 1 x SIM Holder	1 x Full-Size Mini-PCIe Socket (PCIe, USB2.0 and SIM) 1 x SIM Holder
Power	9~36V DC Input	9~36V DC Input
Operating Temperature	-20°C ~ 60°C	-20 °C ~ 60°C
Material	SUS 316 Stainless Steel	SUS 316 Stainless Steel
Mounting Type	VESA Mounting (100 x 100, 200 x 200mm)/ Yoke / Wall Mounting	VESA Mounting (100 x 100, 200 x 200mm)/ Yoke / Wall Mounting
Dimensions (W x D x H)	435 x 66.9 x 291mm	435 x 66.9 x 291mm
Weight	7.42kg	7.42kg
Ingress Protection	IP66/69K Full System	IP66/69K Full System
Operating System	Windows 10 IoT, Windows 11 (IoT/Professional), Linux	Windows 10 IoT, Windows 11 (IoT/Professional), Linux

MEMO

[illegible]



Modular Embedded Computing



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