CS-117/M1101 Series

17" TFT-LCD Sunlight Readable Touch Monitor with Projected Capacitive Touch, 1x DisplayPort, 1x HDMI, 1x VGA

MEETING ALL YOUR INDUSTRIAL MONITOR NEEDS

| CS-100/M1000 Series Sunlight Readable Monitor |

Overview

The Cincoze CS-100/M1101 series sunlight-readable industrial touch monitors are specifically designed for outdoor applications. The highest brightness is 1,800 nits and there is a selection of screen sizes, ratios, and brightnesses. The CS-100/M1101 is the best choice for outdoor kiosk displays and HMI applications because it is rugged and enables easy on-site maintenance. A variety of input interfaces are supported, including HDMI and DisplayPort digital inputs, and VGA analog input. The monitor has a multi-language OSD and supports multiple installation methods, including panel, VESA, and rack mount, to cater to the varied deployment requirements of different outdoor application scenarios.

Key Features

- 17" TFT-LCD with Ultra High Brightness up to 1,500 nits and 1280 x 1024 (SXGA) Resolution
- Designed with Aluminum Die-Casting Front Frame
- Various Video Input Interfaces: 1x VGA, 1x HDMI, 1x DisplayPort Input
- Support USB & RS-232 Interfaces for Touch Function
- OSD Control keys for Brightness Adjustment
- Convertible Display System (CDS) Supported
- True Flat IP65 Front Panel Protection
- Support Panel / VESA / Rack Mount

Certifications

EN 61000-6   EN62368-1   ICES-003 Class A   FC   C E   CB   CDS Convertible Display System

Complete Range of Sizes

The CS-100/M1101 series provides a variety of screen sizes from 8.4 to 24 inches, supports up to Full HD resolution, has a high brightness backlight display of up to 1,800 nits, and has a multi-point projective capacitive touchscreen, which can be selected according to application requirements.

CDS Patented Technology

The patented CDS (Convertible Display System) technology makes field side maintenance and future upgrades simpler and more cost-effective because a single part of the system can be replaced instead of replacing the whole thing.

Patent No. M482908

Multiple Display Inputs

The CS-100/M1101 series has three display inputs, including HDMI and DisplayPort digital inputs, and VGA analog input to cater to the display requirements of the industrial field.

Wide Temp Support, Safe, and Reliable

The CS-100/M1101 series has industrial-grade protections, including wide temperature support and a dust- and water-resistant IP65 front panel to face harsh operating environments. In pursuit of ever higher product safety, the CS-100/M1101 series has also undergone rigorous testing to pass UL certification for product safety.

Cobots | Artificial Vision | PLCs | HMIs | Sensors | Dataloggers | Software | Gateways | Oscilloscopes | Load cells | DAQ / IoT | Industrial PCs

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CS-117 Specifications

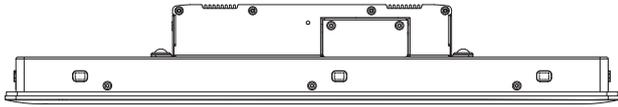| Model Name	CS-117
Display	
LCD Size	▪ 17" (5:4)
Max. Resolution	▪ 1280 x 1024 (SXGA)
Brightness (cd/m2)	▪ 1500
Contrast Ratio	▪ 800 : 1
LCD Color	▪ 16.7M
Pixel Pitch (mm)	▪ 0.264 (H) x 0.264 (V)
Viewing Angle (H-V)	▪ 160 / 140
Backlight LED Life Time	▪ 50,000 hrs (LED Backlight)
Touch Screen	
Touch Type	▪ Projected Capacitive
Wet Touch Tracking	v
Physical	
Dimension (W x D x H)	▪ 450 x 350 x 63.2mm
Weight Information	▪ 5.64 kg
Mechanical Construction	▪ Flat Rugged Aluminum Die-casting Bezel
Power	
Power Consumption	▪ 30.65W (Typ.)
Environment	
Front Panel Protection	▪ IP 65 Compliant
Operating Temperature	▪ -20°C to 70°C (-4°F to 158°F) (With Industrial Grade Peripherals; Ambient with air flow)
Storage Temperature	▪ -30°C to 80°C (-22°F to 176°F)
Relative Humidity	▪ 90% RH @ 40°C (Non-condensing)
EMC	▪ CE, UKCA, FCC, ICES-003 Class A
EMI	▪ CISPR 32 Conducted & Radiated: Class A ▪ EN/BS EN 55032 Conducted & Radiated: Class A ▪ EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A ▪ EN/BS EN61000-3-3 Voltage fluctuations & flicker ▪ FCC 47 CFR Part 15B, ICES-003 Conducted & Radiated: Class A
EMS	▪ EN/IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV ▪ EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 3 V/m ▪ EN/IEC 61000-4-4 EFT: AC Power: 1 kV; DC Power: 0.5 kV; Signal: 0.5 kV ▪ EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV ▪ EN/IEC 61000-4-6 CS: 3V ▪ EN/IEC 61000-4-8 PFMF: 50 Hz, 1A/m ▪ EN/IEC 61000-4-11 Voltage Dips & Voltage Interruptions: 0.5 cycles at 50 Hz
Safety	▪ UL, cUL, CB, IEC, EN 62368-1

Cobots   Artificial Vision   PLCs   HMIs   Sensors   Dataloggers   Software   Gateways   Oscilloscopes   Load cells   DAQ / IoT   Industrial PCs

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M1101 Specifications

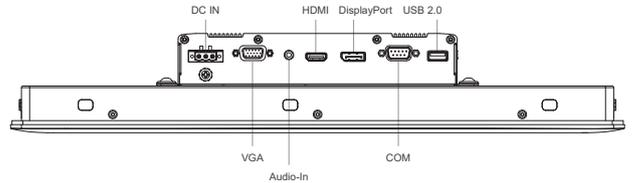| Model Name	M1101
Graphics	
HDMI-in	▪ 1x HDMI Connector (1920 x 1080 @60Hz)
DP-in	▪ 1x DisplayPort Connector (1920 x 1080 @60Hz)
VGA-in	▪ 1x VGA Connector (1920 x 1080 @60Hz)
Audio	
Audio input	▪ 1x Audio Line in, Phone Jack 3.5mm
I/O	
COM	▪ 1x RS-232, DB9
USB	▪ 1x 480Mbps USB 2.0, Type A
Other Function	
OSD Button	▪ Menu, Auto, LCD On/Off, Brightness Up, Brightness Down
Internal Speaker	▪ AMP 2W + 2W
Status LED Indicator	▪ Power LED, Standby LED
Power	
Power Input	▪ 9 - 48VDC, 3-pin Terminal Block
Physical	
Dimension (W x D x H)	▪ 204.5 x 149 x 38.5 mm
Weight Information	▪ 1.2 kg
Mechanical Construction	▪ Extruded Aluminum with Heavy Duty Metal
Mounting	▪ VESA / CDS Mounting
Physical Design	▪ Fanless Design ▪ Jumper-less Design
Reliability & Protection	
Reverse Power Input Protection	▪ Yes
Over Voltage Protection	▪ Protection Range: 51~58V ▪ Protection Type: shut down operating voltage, re-power on at the preset level to recover
Over Current Protection	▪ 15A
MTBF	▪ 1,217,359 hrs - Database: Telcordia SR-332 Issue 3, Method 1, Case 3
Environment	
Operating Temperature	▪ -20℃ to 70℃ * Ambient with air flow * According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14
Storage Temperature	▪ -20℃ to 75℃
Relative Humidity	▪ 95%RH @ 70℃ (non-Condensing)
Shock	▪ Operating, 15 Grms (according to IEC60068-2-27)
Vibration	▪ Operating, 1.5 Grms, 5-500 Hz, 3 Axes (according to IEC60068-2-64) ▪ Operating, 1 Grms, 10-500 Hz, 3 Axes (according to IEC60068-2-6)

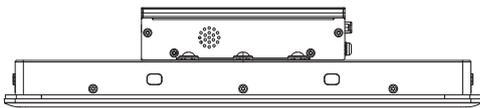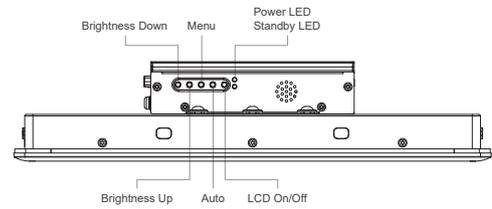| EMC	• CE, UKCA, FCC, ICES-003 Class A • EN IEC 61000-6-4, EN IEC 61000-6-2 (24VDC Input Only)
EMI	• CISPR 32 Conducted & Radiated: Class A • EN/BS EN 55032 Conducted & Radiated: Class A • EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A • EN/BS EN61000-3-3 Voltage fluctuations & flicker • FCC 47 CFR Part 15B, ICES-003 Conducted & Radiated: Class A
EMS	• EN/IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV • EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 10 V/m • EN/IEC 61000-4-4 EFT: AC Power: 2 kV; DC Power: 1 kV; Signal: 1 kV • EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV • EN/IEC 61000-4-6 CS: 10V • EN/IEC 61000-4-8 PFMF: 50 Hz, 30A/m • EN/IEC 61000-4-11 Voltage Dips & Voltage Interruptions: 1 cycles at 60 Hz
Safety	• UL, cUL, CB, IEC, EN 62368-1

CS-117/M1101 External Layout

Front I/O

Rear I/O

DC IN   HDMI DisplayPort USB 2.0

VGA   COM

Audio-In

Left I/O

Right I/O

Brightness Down   Menu   Power LED
Standby LED

Brightness Up   Auto   LCD On/Off

CS-117/M1101 Dimensions

8   434   all 5   25.5   28.5

all 12   A   A   A

170   20   all 7

340

55.9   338.2(Active Area)   73.35(Outline)

39.7   92.5

8   270.6(Active Area)   327.05(Bezel Opening)   350(Outline)   149

334   130

1.5   27.17   395.65(Bezel Opening)   11.47

450(Outline)

38.85   A   A   A

114.75   204.5   C4305(t=3mm)

100

75

80   B   D D   D D   B   75   80   100

60   B   D D   D D   B

D   D

271.5

321.5

423

5.5 (Max. Wall Thickness)

436

Cut Out Dimension   336

Unit: mm

Ordering Information

Available Models

Model No.	Description
CS-117C-R11/M1101-R10	17" TFT-LCD 1500nits Sunlight Readable Touch Monitor with Projected Capacitive Touch, 1x DisplayPort, 1x HDMI, 1x VGA

Package Checklist

▪ CS-117/M1101 Touch Monitor x 1	▪ Panel Mounting Kit x 1
▪ USB Cable x 1	▪ Power Terminal Block Connector x 1
▪ VGA Cable x 1	▪ Screw Pack x 1

Optional Accessories

Model No.	Description
GST60A12-CIN1	Adapter AC/DC 12V 5A 60W, GST60A12-CIN1, wide temp(-30°C ~ +70°C)
GST120A24-CIN	Adapter AC/DC 24V 5A 120W with 3pin Terminal Block Plug and Tubes, Level VI
URM01	Universal 19" Rack Mount Kit for Industrial Panel PC & Industrial Monitor

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