CV-110/M1101 Series

10.4" TFT-LCD SVGA Touch Monitor with Resistive 5-wire / Projected Capacitive Touch, 1x DisplayPort, 1x HDMI®, 1x VGA



MEETING ALL YOUR INDUSTRIAL MONITOR NEEDS

| CV-100/M1000 Series Industrial Monitor |

Overview

CONTACT

The Cincoze CV-100/M1101 series modular industrial touch monitors are suitable for the display requirements of equipment HMI and production process visualization in harsh on-site applications. The wide selection of screen sizes and touch options are just some of the features. The patented CDS (Convertible Display System) technology makes field side maintenance easier and enables simpler upgrades in the future. The CV-100/M1101 series supports digital and analog signal inputs, including HDMI®, DisplayPort and VGA. It also has a multi-language OSD and supports multiple installation methods, including panel, VESA, and rack mount, so the monitor can adapt to deployment in a variety of application scenarios.

Key Features

- 10.4" TFT-LCD SVGA with Resistive 5-wire / Projected Capacitive Touch
- 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 CE CB CDS

Complete Range of Sizes

The CV-100/M1101 series has a comprehensive selection of screens, with various screen sizes (8.4 - 24 inches), display ratios (4:3, 5:4, and 16:9), touch methods (multi-point capacitive and single-point resistive), and brightnesses (300-500 nits) to optimally match application requirements.





CDS Patented Technology

The patented CDS 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 CV-100/M1101 series has three different display inputs, including HDMI® and DisplayPort digital inputs and VGA analog input.





Rugged, Safe, and Reliable

The CV-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 CV-100/M1101 series have also undergone rigorous testing to pass UL certification for product safety.

CV-110 Series Specifications

Model Name	CV-110R	CV-110C
Display		
LCD Size	▪ 10.4" (4:3)	
Max. Resolution	▪ 800 x 600	
Brightness (cd/m2)	▪ 500	
Contrast Ratio	▪ 700 : 1	
LCD Color	▪ 16.2M	
Pixel Pitch (mm)	▪ 0.264 (H) x 0.264 (V)	
Viewing Angle (H-V)	▪ 160 / 130	
Backlight LED Life Time	▪ 70,000 hrs (LED Backlight)	
Touch Screen		
Touch Type	▪ Resistive 5-wire	▪ Projected Capacitive
Physical		
Dimension (W x D x H)	▪ 295 x 227.3 x 56.2 mm	
Weight Information	▪ 2.24 kg	
Mechanical Construction	▪ Die-Casting Flat Surface	
Power		
Power Consumption	▪ 3.38W (Typ.)	▪ 3.33W (Typ.)
Environment		
Front Panel Protection	▪ IP 65 Compliant	
Operating Temperature	▪ Ambient with Air flow: -20°C to 75°C (with Industrial Grade Peripherals)	▪ Ambient with Air flow: -20°C to 80°C (with Industrial Grade Peripherals)
Storage Temperature	▪ -30°C to 80°C	
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	

M1101 Specifications

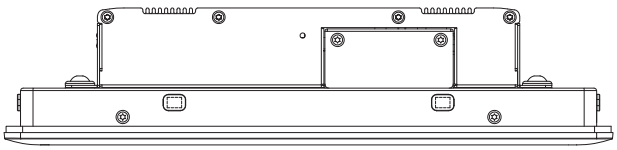
Model Name	M1101
Graphics	
HDMI® Input	▪ 1x HDMI® Connector (1920 x 1080 @60Hz)
DP-in	▪ 1x DisplayPort Connector (1920 x 1080 @60Hz)
VGA-in	▪ 1x VGA Connector (1920 x 1080 @60Hz)
Audio	
Audio input	▪ 1x Audio Line in, Phone Jack 3.5mm
I/O	
COM	▪ 1x RS-232, DB9
USB	▪ 1x 480Mbps USB 2.0, Type A
Other Function	
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°C to 70°C * Ambient with air flow * According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14
Storage Temperature	▪ -20°C to 75°C
Relative Humidity	▪ 95%RH @ 70°C (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

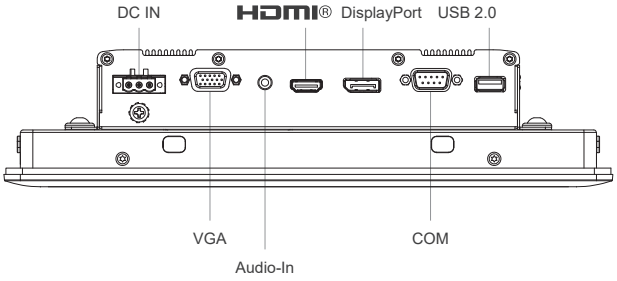
The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

CV-110/M1101 External Layout

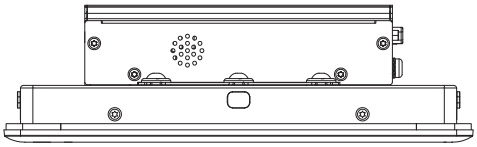
Front I/O



Rear I/O



Left I/O



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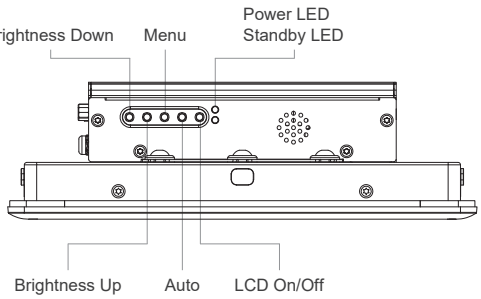
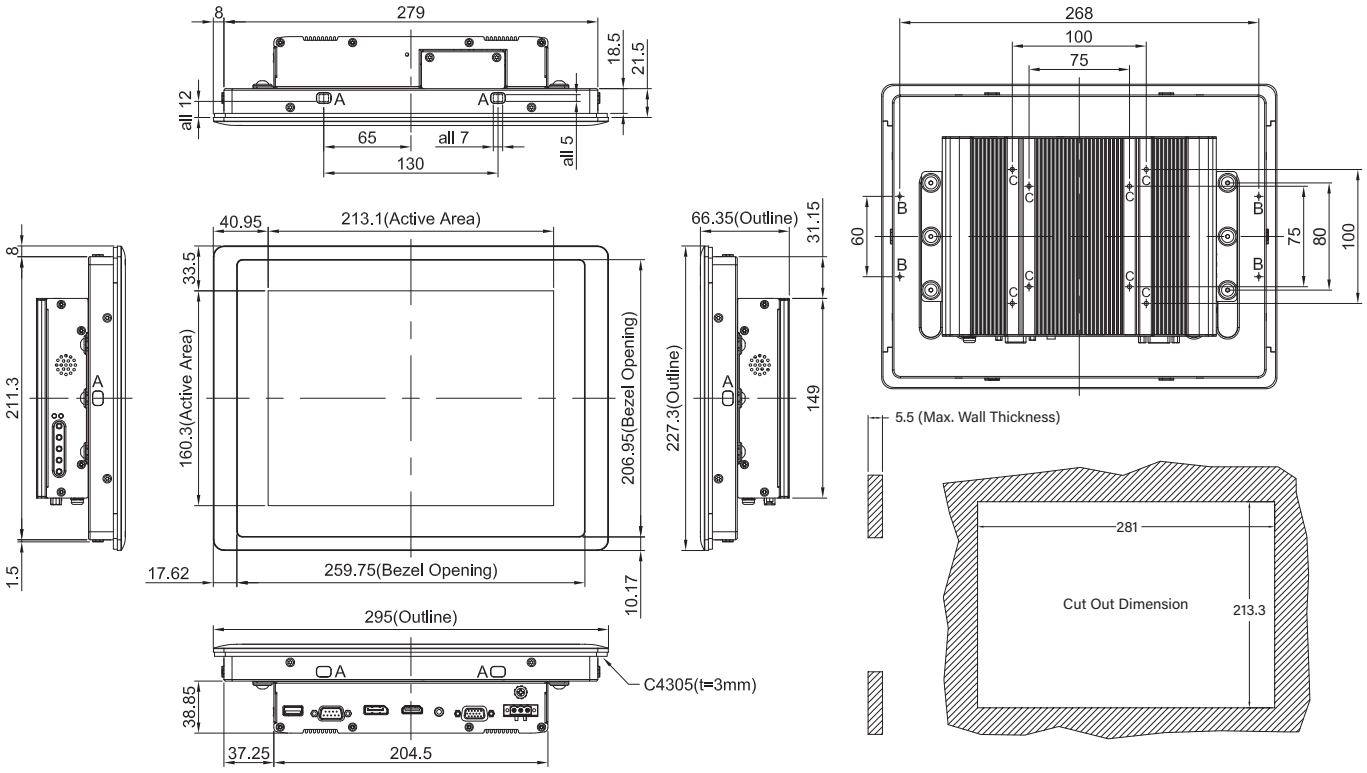


CV-110/M1101 Dimensions



Unit: mm

Ordering Information

Available Models

Model No.	Description
CV-110R-R11/M1101-R10	10.4" TFT-LCD SVGA 4:3 Touch Monitor with Resistive 5-wire Touch, 1x DisplayPort, 1x HDMI®, 1x VGA
CV-110C-R12/M1101-R10	10.4"TFT-LCD SVGA 4:3 Touch Monitor with Projected Capacitive Touch, 1x DisplayPort, 1x HDMI®, 1x VGA

Model Configuration

	CV-110R	CV-110C	M1101
CV-110R/M1101	V	--	V
CV-110C/M1101	--	V	V

V : Compatible

Package Checklist

▪ CV-110/M1101 Series 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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