

M1101

Monitor Module with 1x DisplayPort, 1x HDMI, 1x VGA

MEETING ALL YOUR INDUSTRIAL MONITOR NEEDS

Panel Mount • Sunlight Readable • Open Frame



Overview

With the CDS (Convertible Display System) technology, the M1101 (Monitor Module) can be paired with a display module to create a touch monitor. Available display options include industrial touch monitors for harsh environments, high-brightness sunlight-readable touch monitors for the outdoors, and an open frame touch monitor for machine integration. The M1101 supports HDMI, DisplayPort, and VGA inputs, has a multi-language OSD menu, and provides 1x USB and 1x COM for resistive or capacitive touch.

- 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
- EMC Emission / Immunity Standard for Industrial Environment : EN61000-6-4, EN61000-6-2
- Safety Certification: UL, cUL, CB, IEC, EN 62368-1



3 Display Options

The M1101 uses the exclusive CDS patented technology to combine with any of three types of monitors: an industrial touch monitor, a sunlight-readable touch monitor, and an open frame touch monitor.

Patent No. M482908



3 Video Inputs

The M1101 has three display input options, including HDMI and DisplayPort digital inputs, and VGA analog input, to cater to the display requirements in the industrial field.

3 International Standards

The M1101 meets the high-level international standards for EMC protection for Industrial Environment (EN 61000-6-2/4) and vibration resistance and shock protection (EN 60068-2), and has obtained high-standard safety certification (UL/c-UL 62368-1). These certifications and standards ensure the highest level of stability and security.



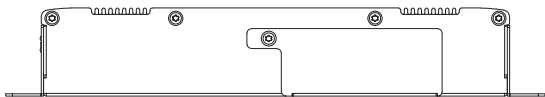
Specifications

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°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)

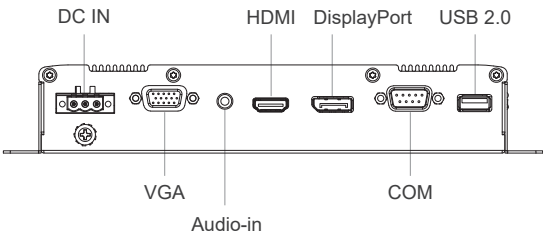
EMC	• CE, UKCA, FCC, ICES-003 Class A • EN IEC 61000-6-4, EN IEC 61000-6-2(24VDC Input Only)
EMI	• CISPR 32 Conducted & Radiated: Class A • EN/BS EN 55032 Conducted & Radiated: Class A • EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A • EN/BS EN61000-3-3 Voltage fluctuations & flicker • FCC 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

External Layout

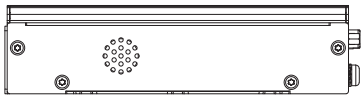
Front I/O



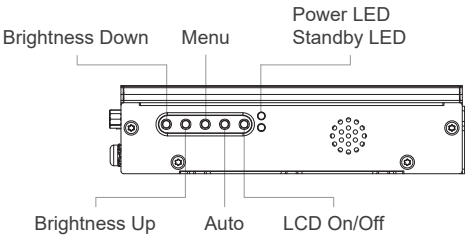
Rear I/O



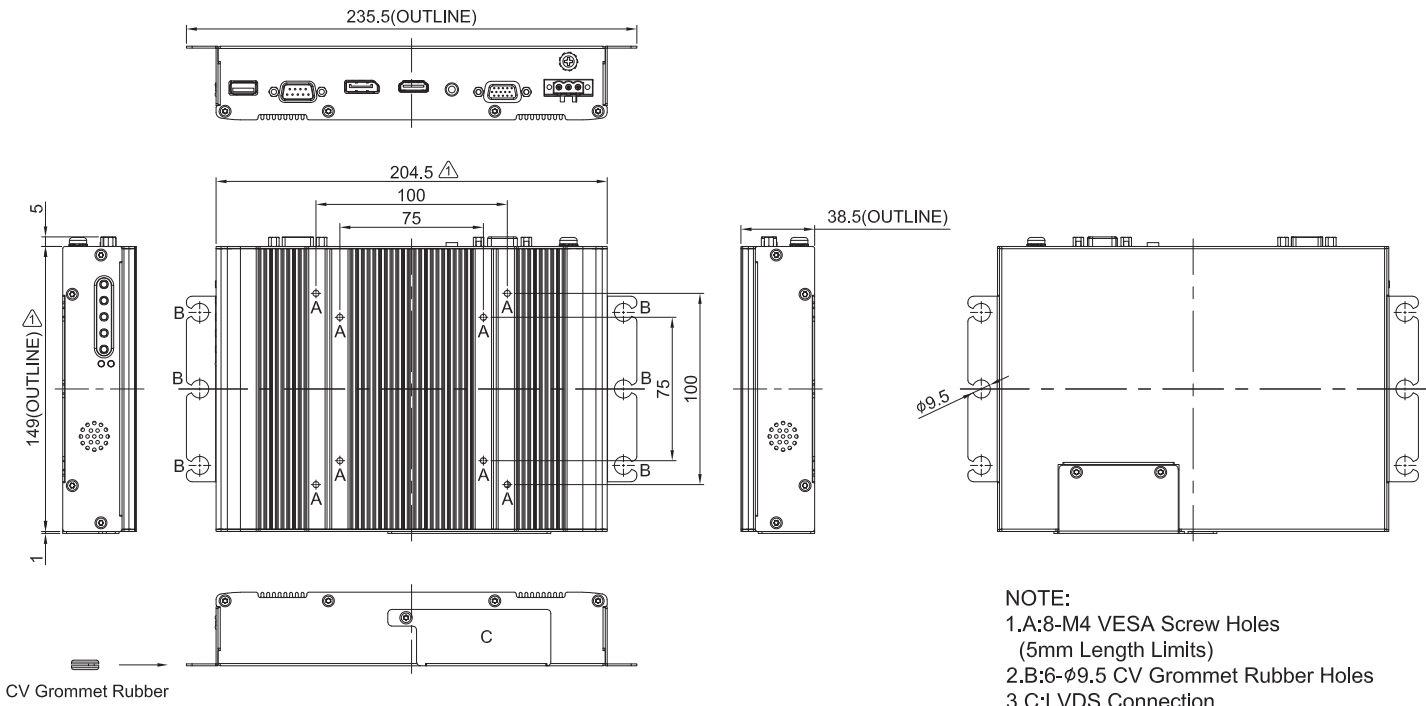
Left I/O



Right I/O



Dimensions



Ordering Information

Available Models

Model No.	Description
M1101-R10	Monitor Module with 1x DisplayPort, 1x HDMI, 1x VGA

Package Checklist

▪ M1101 Monitor Module x1	▪ Power Terminal Block Connector x1
▪ USB cable x1	▪ Screw Pack x1
▪ VGA cable x1	

Optional Modules and 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