

## CO-W121C/M1101 Series

21.5" TFT-LCD Full HD Open Frame Touch Monitor with Projected Capacitive Touch, 1x DisplayPort, 1x HDMI, 1x VGA



### ALL-NEW OPEN FRAME TOUCH MONITOR

| CO-100/M1000 Series Fits Any Machine Perfectly |

#### Overview

The Cincoze CO-100/M1101 series open frame industrial touch monitors include HDMI and DisplayPort digital inputs, and VGA analog input. The biggest highlight is its patented adjustable mounting bracket with thickness adjustment and locking types to make installation easier. The CO-100/M1101 is designed for equipment manufacturers and seamlessly integrates into control cabinets of various materials and thicknesses. Its rugged design takes into account the tough application requirements of field-side HMI in harsh industrial environments.

- 21.5" TFT-LCD with Projected Capacitive Touch
- Designed with Adjustable Mounting Bracket
- 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
- Cincoze Patent CDS Technology Support
- Front Panel IP65 Compliant
- Support Flat / Standard / VESA / Rack Mount



### 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



### Easy to Install

The exclusive adjustable mounting bracket provides thickness adjustment and supports panel type and boss type locking methods. Flat mount and standard mount options also make it easier to more convenient to integrate with industrial machines.

Patent No. I802427, D224544, D224545

### Integrated Structure

Combining flexibility and reliability, the open frame modular monitor can be deployed in equipment machines. Remove the mounting bracket and it becomes a standalone panel PC for use with a VESA mount or in a 19" Rack.



### Rugged, Safe, and Reliable

The wide operating temperature range (0°C to 70°C) and IP65 -rated dust- and water-resistant front panel make it suitable for machine HMI or process visualization in on-site applications. The CO-100/M1101 has obtained UL certification, ensuring the high safety standards of the product.

**CO-W121C Specifications**

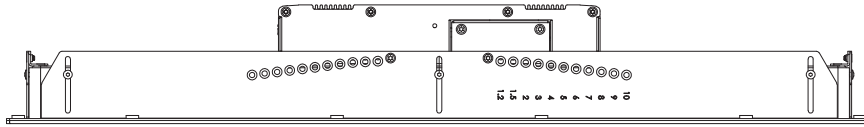
Model Name	CO-W121C
<b>Display</b>	
LCD Size	• 21.5" (16:9)
Resolution	• 1920 x 1080
Brightness	• 300 cd/m2
Contract Ratio	• 5000 : 1
LCD Color	• 16.7M
Pixel Pitch	• 0.24825 (H) x 0.24825 (V) mm
Viewing Angle	• 178 (H) / 178 (V)
Backlight MTBF	• 50,000 hrs
<b>Touch Screen</b>	
Touchscreen Type	• Projected Capacitive Touch
<b>Physical</b>	
Dimension (W x D x H)	• 550 x 343.7 x 63.3
Weight	• 7.16 kg
Construction	• One-piece and Slim Bezel Design
Mounting Type	• Flat / Standard / VESA / Rack Mount
Mounting Bracket	• Pre-installed Mounting Bracket with Adjustable Design ( Support 11 different stages of adjustment )
<b>Protection</b>	
Ingress Protection	• Front Panel IP65 Compliant * According to IEC60529
<b>Environment</b>	
Operating Temperature	• 0°C to 70°C
Storage Temperature	• -20°C to 70°C
Humidity	• 80% RH @ 40°C (non-condensing)
EMC	• CE, UKCA, FCC, ICES-003 Class A
Safety	• UL, cUL 62368-1 (Pending)

**M1101 Specifications**

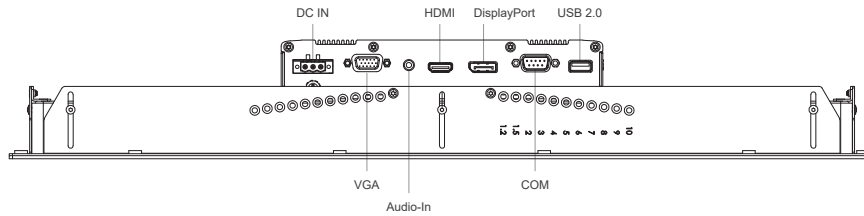
Model Name	M1101
<b>Graphics</b>	
HDMI-in	• 1x HDMI Connector (1920 x 1080 @60Hz)
DP-in	• 1x DisplayPort Connector (1920 x 1080 @60Hz)
VGA-in	• 1x VGA Connector (1920 x 1080 @60Hz)
<b>Audio</b>	
Audio input	• 1x Audio Line in, Phone Jack 3.5mm
<b>I/O</b>	
COM	• 1x RS-232, DB9
USB	• 1x 480Mbps USB 2.0, Type A
<b>Other Function</b>	
OSD Button	• Menu, Auto, LCD On/Off, Brightness Up, Brightness Down
Internal Speaker	• AMP 2W + 2W
Status LED Indicator	• Power LED, Standby LED
<b>Power</b>	
Power Input	• 9 - 48VDC, 3-pin Terminal Block
<b>Physical</b>	
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
<b>Reliability &amp; Protection</b>	
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
<b>Environment</b>	
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 • EN61000-6-4, EN61000-6-2 (24VDC Input Only)
Safety	• UL, cUL, CB, IEC, EN 62368-1

**CO-W121C/M1101 External Layout**

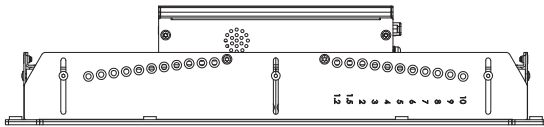
Front I/O



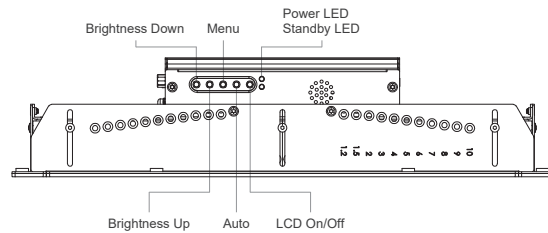
Rear I/O



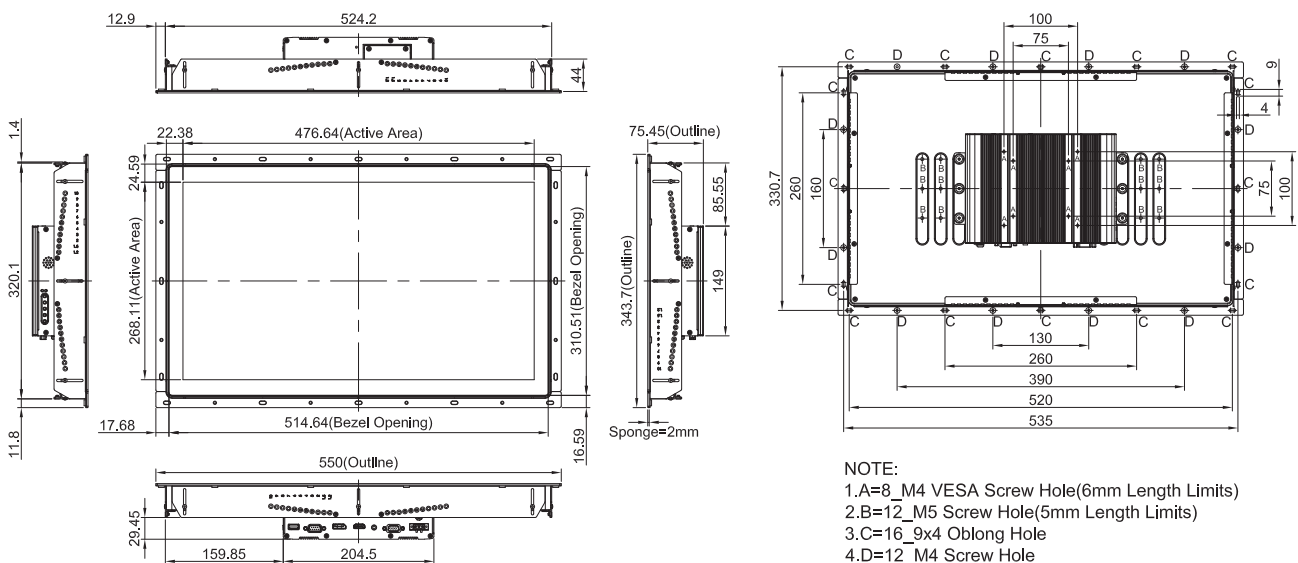
Left I/O



Right I/O



**CO-W121C/M1101 Dimensions**



NOTE:  
 1.A=8\_M4 VESA Screw Hole(6mm Length Limits)  
 2.B=12\_M5 Screw Hole(5mm Length Limits)  
 3.C=16\_9x4 Oblong Hole  
 4.D=12\_M4 Screw Hole

Unit: mm

## Ordering Information

### Available Models

Model No.	Description
CO-W121C-R10/M1101-R10	21.5" TFT-LCD Full HD 16:9 Open Frame Touch Monitor with Projected Capacitive Touch, 1x DisplayPort, 1x HDMI, 1x VGA

### Package Checklist

- CO-W121C/M1101 Touch Monitor x 1
- Power Terminal Block Connector x 1
- USB Cable x 1
- Screw Pack x 1
- VGA Cable 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

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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