ASSURED SYSTEMS

cincoze

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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

CE   FC   UKCA   CB

CDS   c UL us   ICES-003 Class A   EN 61000-6   EN 62368-1

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℃ to 70℃) 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.
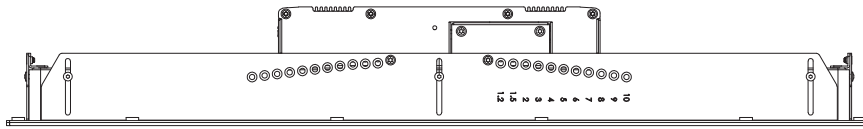
CO-W121C/M1101 Series

CO-W121C Specifications

Model Name	CO-W121C
Display	
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
Touch Screen	
Touchscreen Type	▪ Projected Capacitive Touch
Physical	
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)
Protection	
Ingress Protection	▪ Front Panel IP65 Compliant * According to IEC60529
Environment	
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)

CO-W121C/M1101 Series

M1101 Specifications

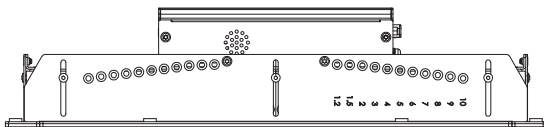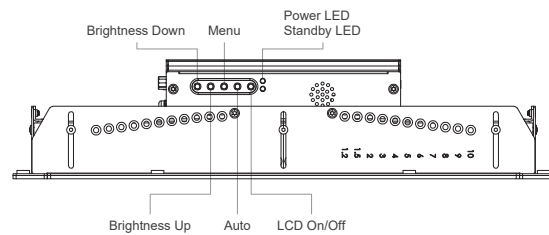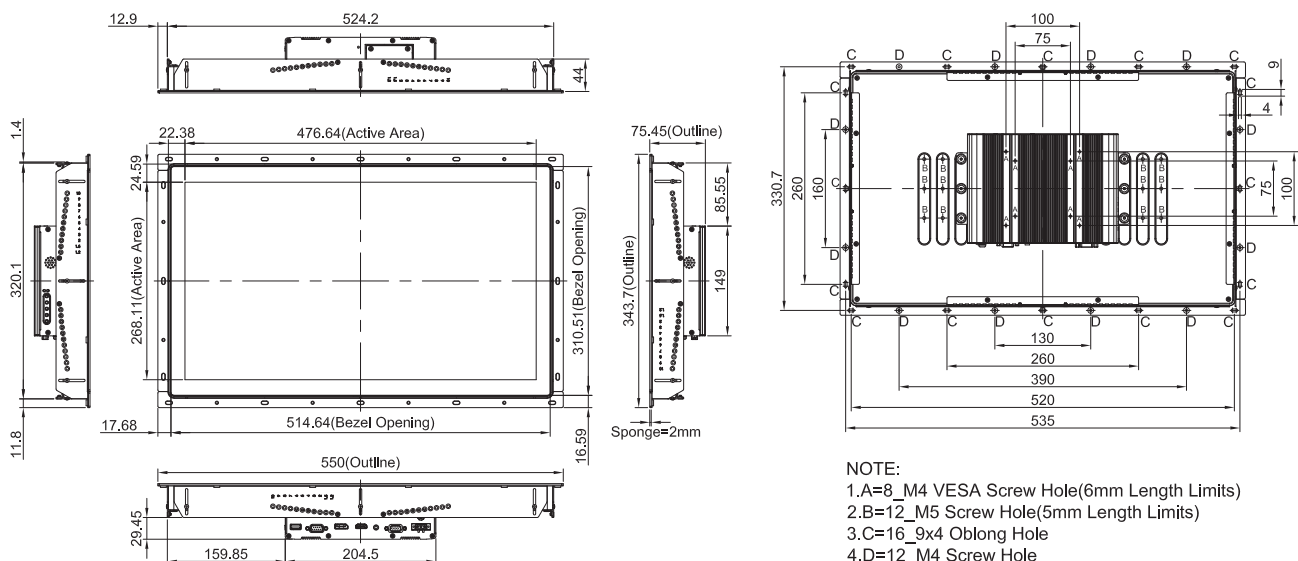| Model Name	M1101
Graphics	
HDMI-in	▪ 1x HDMI Connector (1920 x 1080 @60Hz)
DP-in	▪ 1x DisplayPort Connector (1920 x 1080 @60Hz)
VGA-in	▪ 1x VGA Connector (1920 x 1080 @60Hz)
Audio	
Audio input	▪ 1x Audio Line in, Phone Jack 3.5mm
I/O	
COM	▪ 1x RS-232, DB9
USB	▪ 1x 480Mbps USB 2.0, Type A
Other Function	
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°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

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
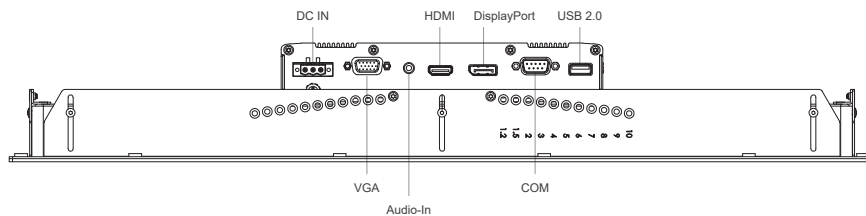
CO-W121C/M1101 Dimensions

12.9 | 524.2 | 44

1.4

22.38 | 476.64(Active Area) | 75.45(Outline)

24.59

320.1 | 268.11(Active Area) | 310.51(Bezel Opening) | 343.7(Outline) | 85.55 | 149

11.8 | 17.68 | 514.64(Bezel Opening) | 16.59

Sponge=2mm

550(Outline)

29.45 | 159.85 | 204.5

100 | 75 | 9

330.7 | 260 | 160 | 75 | 100 | 4

130 | 260 | 390 | 520 | 535

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

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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℃ ~ +70℃)
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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