

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

[CONTACT](#)

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.

Key Features

- 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

Certifications



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 60°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 |
|-----------------------|---|
| 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 | • Ambient with Air flow: 0°C to 60°C (with Industrial Grade Peripherals) |
| Storage Temperature | • -20°C to 60°C |
| Humidity | • 80% RH @ 50°C (Non-condensing) |
| EMC | • CE, UKCA, FCC, ICES-003 Class A |
| EMI | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 |

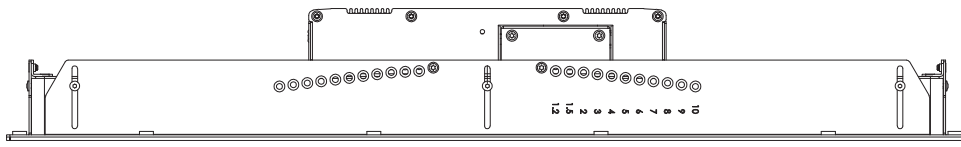
M1101 Specifications

| Model Name | M1101 |
|-------------------------------------|--|
| Graphics | |
| HDMI-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) |

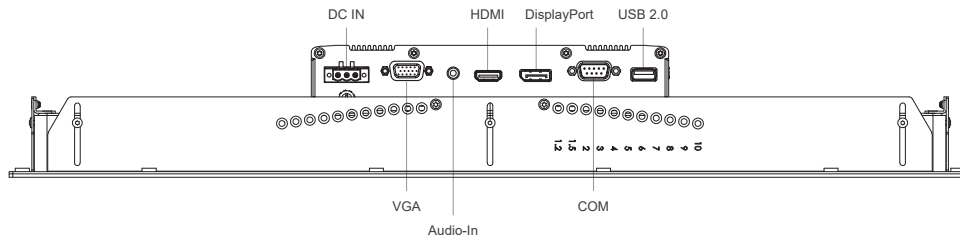
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|--------|--|
| EMC | <ul style="list-style-type: none"> • CE, UKCA, FCC, ICES-003 Class A • EN IEC 61000-6-4, EN IEC 61000-6-2(24VDC Input Only) |
| EMI | <ul style="list-style-type: none"> • CISPR 32 Conducted & Radiated: Class A • EN/BS EN 55032 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 | <ul style="list-style-type: none"> • 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 style="list-style-type: none"> • UL, cUL, CB, IEC, EN 62368-1 |

CO-W121C/M1101 External Layout

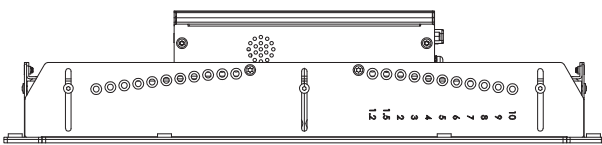
Front I/O



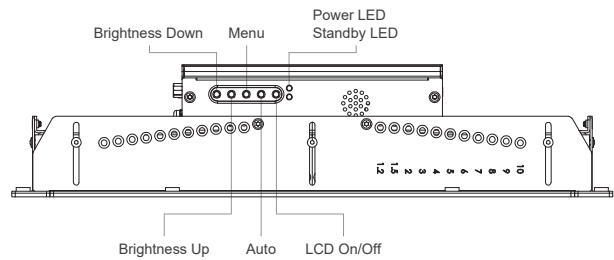
Rear I/O



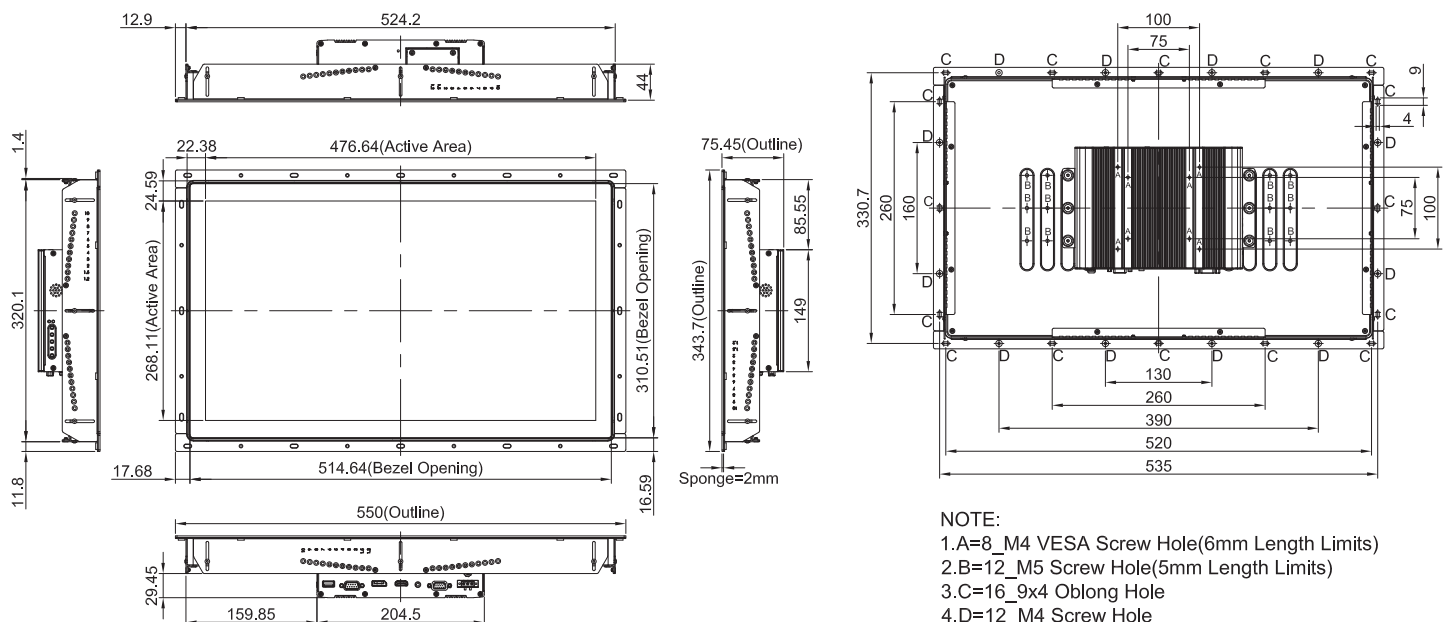
Left I/O



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 |