CO-W124C/M1101 Series

24" 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

- 24" 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

IP65 FC CE

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 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.

IP65

CO-W124C Specifications

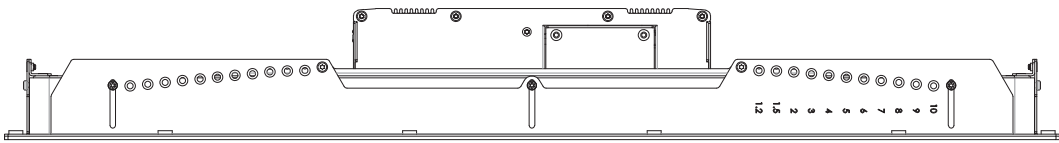| Model Name	CO-W124C
Display	
LCD Size	▪ 24" (16:9)
Resolution	▪ 1920 x 1080
Brightness	▪ 300 cd/m2
Contrast Ratio	▪ 5000 : 1
LCD Color	▪ 16.7M
Pixel Pitch	▪ 0.27675(H) x 0.27675(V) mm
Viewing Angle	▪ 178 (H) / 178 (V)
Backlight LED Life Time	▪ 50,000 hrs (LED Backlight)
Touch Screen	
Touchscreen Type	▪ Projected Capacitive Touch
Wet Touch Tracking	v
Physical	
Dimension (W x D x H)	▪ 604 x 387.2 x 63.3mm
Weight	▪ 8.3 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)
Power	
Power Consumption	▪ 23.75W (Max.)
Protection	
Ingress Protection	▪ Front Panel IP65 Compliant * According to IEC60529
Environment	
Operating Temperature	▪ -20℃ to 70℃ (-4°F to 158°F) (With Industrial Grade peripherals; Ambient with air flow)
Storage Temperature	▪ -30℃ to 80℃ (-22°F to 176°F)
Humidity	▪ 90% RH @ 40℃ (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

M1101 Specifications

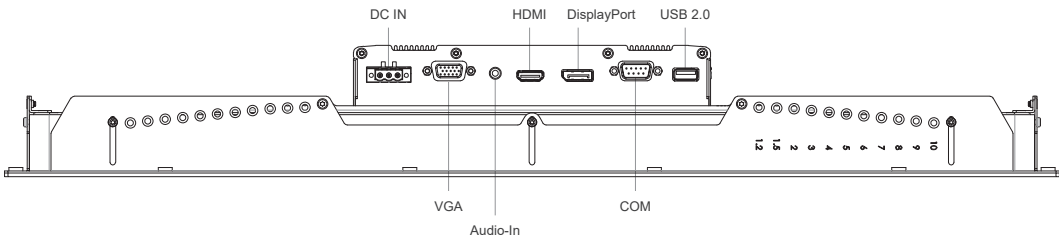| Model Name	M1101
Graphics	
HDMI-in	▪ 1x HDMI Connector (1920 x 1080 @60Hz)
DP-in	▪ 1x DisplayPort Connector (1920 x 1080 @60Hz)
VGA-in	▪ 1x VGA Connector (1920 x 1080 @60Hz)
Audio	
Audio input	▪ 1x Audio Line in, Phone Jack 3.5mm
I/O	
COM	▪ 1x RS-232, DB9
USB	▪ 1x 480Mbps USB 2.0, Type A
Other Function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

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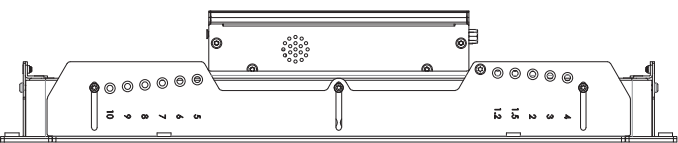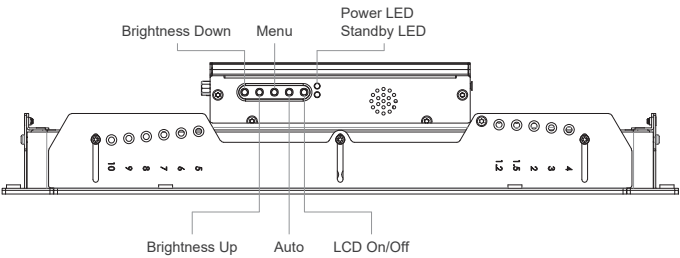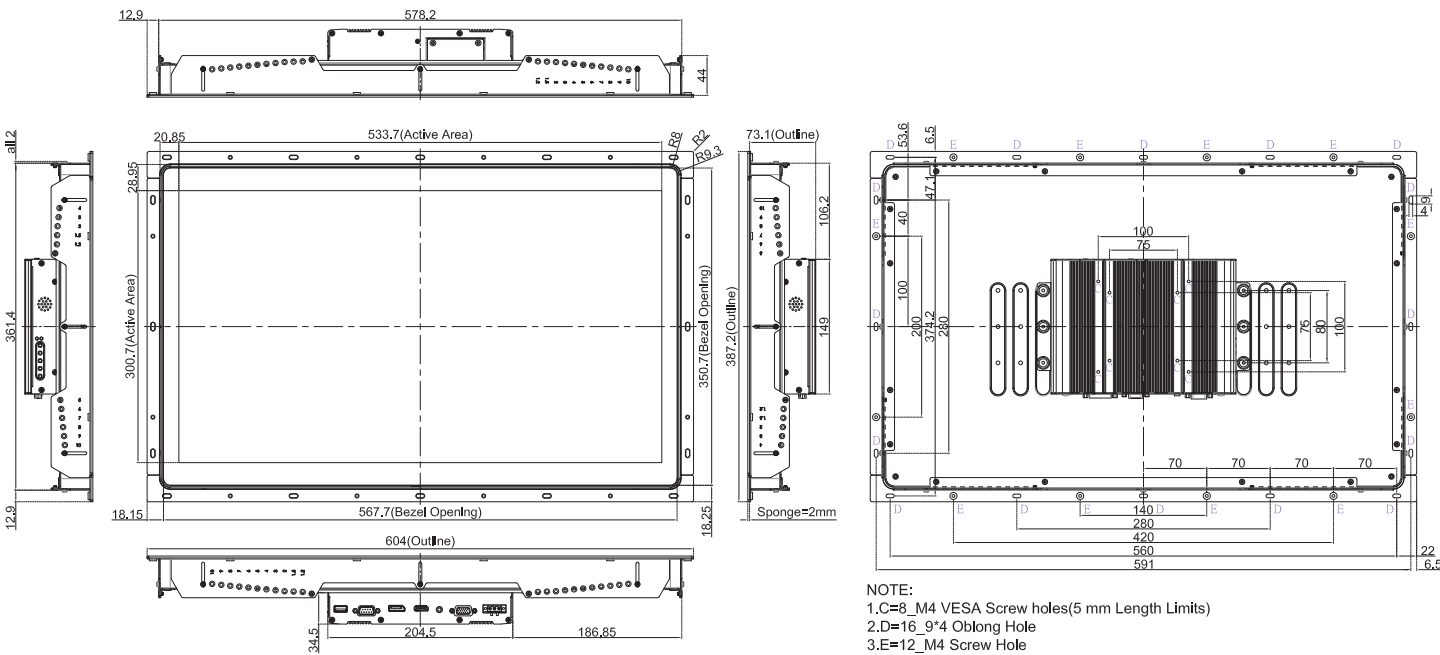## CO-W124C/M1101 External Layout

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-W124C/M1101 Dimensions

NOTE:
1.C=8_M4 VESA Screw holes(5 mm Length Limits)
2.D=16_9*4 Oblong Hole
3.E=12_M4 Screw Hole

Unit: mm

Ordering Information

Available Models

Model No.	Description
CO-W124C-R10/M1101-R10	24" TFT-LCD Full HD 16:9 Open Frame Touch Monitor with Projected Capacitive Touch, 1x DisplayPort, 1x HDMI, 1x VGA

Package Checklist

- CO-W124C/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