# CV-212C/M1101 Series

12.1" TFT WXGA 16:10 Slim Bezel Touch Monitor with Projected Capacitive Touch & AG Coating, 1x DisplayPort, 1x HDMI®, 1x VGA



## Slim · Modular · Durable

CV-200/M1000 Series — Modernized Industrial Touch Monitors

## Overview

CONTACT

The CV-200 / M1101 series is a modular industrial touch monitor designed for demanding on-site applications and HMI solutions. Supporting Full HD resolution in sizes from 10" to 21.5" for clear visuals and flexible deployment. Powered by Cincoze's CDS technology, it enables easy maintenance and future upgrades, with HDMI®, DisplayPort, and VGA inputs, multi-language OSD, and versatile panel, VESA, or rack-mount options for seamless integration across industrial applications.

### Key Features

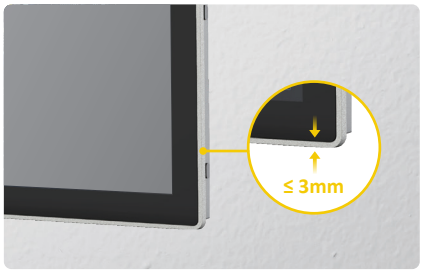
- 12.1" WXGA LCD (1280 x 800) with 16:10 Aspect Ratio
- Projected Capacitive Touch with Anti-Glare Coating.
- Wide Viewing Angle of 178°/178°
- Various Video Input Interfaces: 1x VGA, 1x HDMI®, 1x DisplayPort Input
- Support USB & RS-232 Interfaces for Touch Function
- OSD Control keys for Brightness Adjustment
- Convertible Display System (CDS) Supported
- Front Panel IP66 Compliant
- Support Panel / VESA / Rack Mount

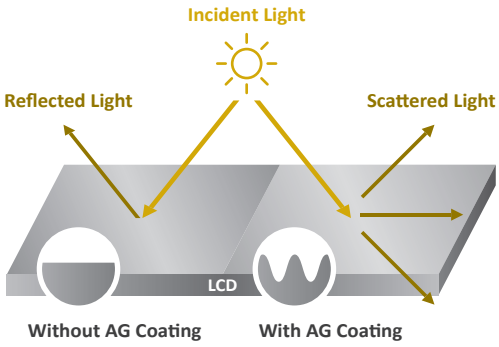
### Certifications

IP66

## Ultra-Slim Bezel

With an ultra-slim bezel of ≤ 3 mm (varies by display size), the CV-200 minimizes physical constraints for compact installations. It's ideal for space-limited enclosures and applications requiring efficient integration with a streamlined appearance.




## Reliable Touch Performance

All models support P-Cap touch, anti-glare (AG) coating, and wet tracking technology, ensuring stable operation and clear visibility even in humid environments or under bright indoor lighting.

## Built to Last

Front-panel IP66 protection, compliance with industrial environment EMC standards (EN 61000-6-4), and a long-lasting backlight rated for up to 50,000 hours ensure reliable, long-term performance.

IP66

EMI

EN 61000-6-4

50,000-hr Backlight




## Multiple Display Inputs

The CV-200/M1101 series has three different display inputs, including HDMI® and DisplayPort digital inputs and VGA analog input.

## CDS Patented Technology

The patented CDS 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.



## CV-212C Series Specifications

| Model Name | CV-212C |
|---|---|
| **Display** | |
| LCD Size | ▪ 12.1" (16:10) |
| Max. Resolution | ▪ 1280x800 |
| Brightness (cd/m2) | ▪ 400 |
| Contrast Ratio | ▪ 1000 : 1 |
| LCD Color | ▪ 16.2M |
| Pixel Pitch (mm) | ▪ 0.204 (H) x 0.204 (V) |
| Viewing Angle (H-V) | ▪ 178 / 178 |
| Backlight LED Life Time | ▪ 50,000 hrs (LED Backlight) |
| **Touch Screen** | |
| Touch Type | ▪ Projected Capacitive |
| Anti-Glare | ▪ V |
| Wet Touch Tracking | ▪ V |
| **Physical** | |
| Dimension ( W x D x H ) | ▪ 309.3 x 213.7 x 63.4 mm |
| Weight Information | ▪ 2.13 kg |
| Mechanical Construction | ▪ Die-Casting Flat Surface |
| **Power** | |
| Power Consumption | ▪ 7.45 W (Typ.) |
| **Environment** | |
| Front Panel Protection | ▪ IP 66 Compliant |
| Operating Temperature | ▪ -20°C - 70°C (-4°F to 158°F)<br>- With Industrial Grade peripherals; Ambient with air flow |
| Storage Temperature | ▪ -30°C - 85°C (-22°F to 185°F) |
| Relative Humidity | ▪ 90% RH @ 40°C (non-condensing) |
| EMC | ▪ CE, UKCA, FCC, ICES-003 Class A |
| EMI | ▪ CISPR 32 Conducted & Radiated: Class A<br>▪ EN/BS EN 55032 Conducted & Radiated: Class A<br>▪ EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A<br>▪ EN/BS EN61000-3-3 Voltage fluctuations & flicker<br>▪ FCC 47 CFR Part 15B, ICES-003 Conducted & Radiated: Class A |
| EMS | ▪ EN/IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV<br>▪ EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 3 V/m<br>▪ EN/IEC 61000-4-4 EFT: AC Power: 1 kV; DC Power: 0.5 kV; Signal: 0.5 kV<br>▪ EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV<br>▪ EN/IEC 61000-4-6 CS: 3V<br>▪ EN/IEC 61000-4-8 PFMF: 50 Hz, 1A/m<br>▪ EN/IEC 61000-4-11 Voltage Dips & Voltage Interruptions: 0.5 cycles at 50 Hz |
| Industrial Environment | ▪ EMC:<br>- EN/BS/IEC 61000-6-4: 2019 Class A<br>- EN/BS/IEC 61000-6-2: 2019 |

| | |
|---|---|
| Railway | ▪ EMC: EN 50155: 2021 Clause 4.4.6, 13.4.9 (w/ M1101 only)<br>- EN 50121-1 : 2017<br>- EN 50121-3-2: 2016 + A1: 2019 |

## M1101 Specifications

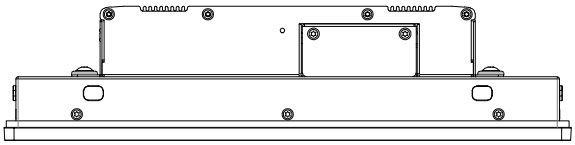
| Model Name | M1101 |
|---|---|
| **Graphics** | |
| HDMI®-in | ▪ 1x HDMI® Connector (1920 x 1080 @60Hz) |
| DP-in | ▪ 1x DisplayPort Connector (1920 x 1080 @60Hz) |
| VGA-in | ▪ 1x VGA Connector (1920 x 1080 @60Hz) |
| **Audio** | |
| Audio input | ▪ 1x Audio Line in, Phone Jack 3.5mm |
| **I/O** | |
| 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<br>▪ Jumper-less Design |
| **Reliability & Protection** | |
| Reverse Power Input Protection | ▪ Yes |
| Over Voltage Protection | ▪ Protection Range: 51~58V<br>▪ 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<br>* Ambient with air flow<br>* 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)<br>▪ Operating, 1 Grms, 10-500 Hz, 3 Axes (according to IEC60068-2-6) |

| | |
|---|---|
| EMC | ▪ CE, UKCA, FCC, ICES-003 Class A<br>▪ EN IEC 61000-6-4, EN IEC 61000-6-2(24VDC Input Only) |
| EMI | ▪ CISPR 32 Conducted & Radiated: Class A<br>▪ EN/BS EN 55032 Conducted & Radiated: Class A<br>▪ EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A<br>▪ EN/BS EN61000-3-3 Voltage fluctuations & flicker<br>▪ FCC 47 CFR Part 15B, ICES-003 Conducted & Radiated: Class A |
| EMS | ▪ EN/IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV<br>▪ EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 10 V/m<br>▪ EN/IEC 61000-4-4 EFT: AC Power: 2 kV; DC Power: 1 kV; Signal: 1 kV<br>▪ EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV<br>▪ EN/IEC 61000-4-6 CS: 10V<br>▪ EN/IEC 61000-4-8 PFMF: 50 Hz, 30A/m<br>▪ EN/IEC 61000-4-11 Voltage Dips & Voltage Interruptions: 1 cycles at 60 Hz |
| Safety | ▪ UL, cUL, CB, IEC, EN 62368-1 |

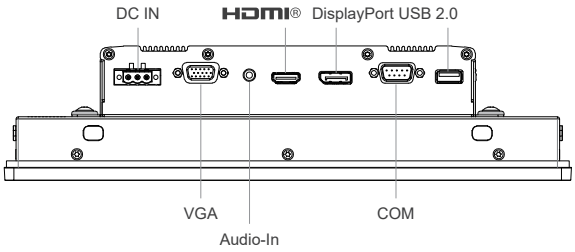
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## CV-212C/M1101 External Layout

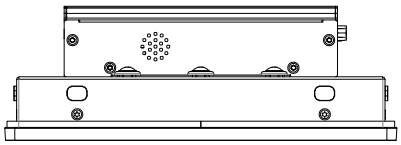
### Front I/O



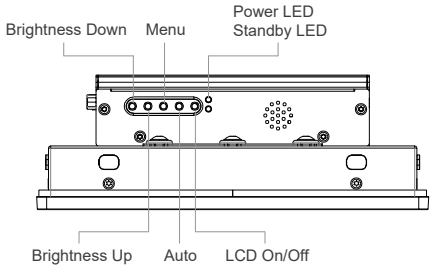
### Rear I/O



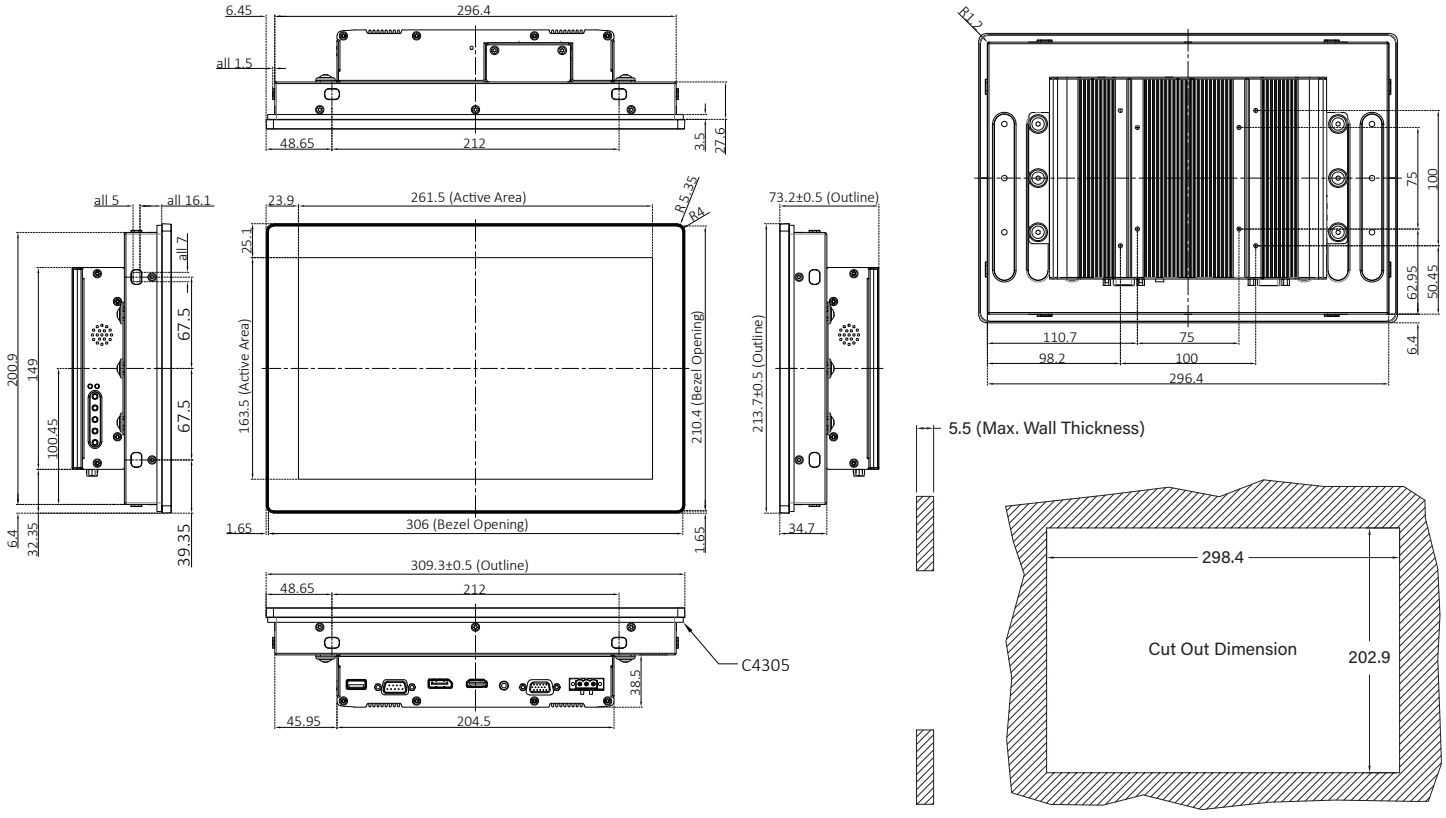

### Left I/O



### Right I/O




## CV-212C/M1101 Dimensions




Unit: mm

# Ordering Information

## Available Models

| Model No. | Description |
|---|---|
| CV-212C-R10/M1101-R10 | 12.1" TFT WXGA 16:10 Slim Bezel Touch Monitor with Projected Capacitive Touch & AG Coating, 1x DisplayPort, 1x HDMI®, 1x VGA |

## Package Checklist

| | |
|---|---|
| ▪ CV-212C/M1101 Series Touch Monitor x 1 | ▪ Panel Mounting Kit x 10 |
| ▪ USB Cable x 1 | ▪ Power Terminal Block Connector x 1 |
| ▪ VGA Cable x 1 | ▪ Screw Pack 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 |

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