CV-212 Series

12.1" TFT WXGA 16:10 Slim Bezel Display Module with Projected Capacitive Touch & AG Coating



Slim · Modular · Durable

CV-200 Series — Modernized Industrial Panel PCs & Touch Monitors

Overview

CONTACT

The all-new CV-200 Series slim-bezel display module breaks away from the bulky design of traditional industrial displays. Combining high reliability with slim footprint for modern HMI applications, it supports Full HD resolution in sizes from 10" to 21.5". Powered by Cincoze's CDS (Convertible Display System) technology, the CV-200 can be configured as panel PCs or used as industrial touch monitors. Its one-piece mechanical design and front-panel IP66 rating, along with P-Cap touch and anti-glare coating, make it ideal for indoor industrial environments with high humidity and bright lighting, delivering durable, reliable, and stylish HMI solutions.

Key Features

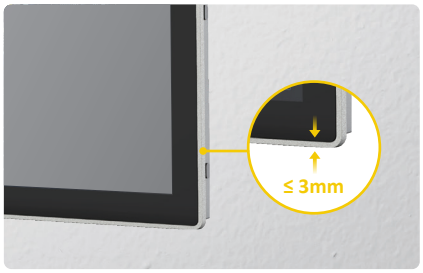
- 12.1" WXGA LCD (1280 x 800) with 16:10 Aspect Ratio
- Projected Capacitive Touch with Anti-Glare Coating.
- Wide Viewing Angle of 178°/178°
- Backlight Lifetime up to 50,000 hr
- Front IP66 Protection
- Support CDS Technology

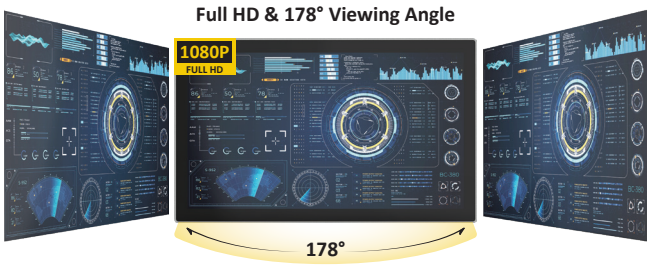
Certifications

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.



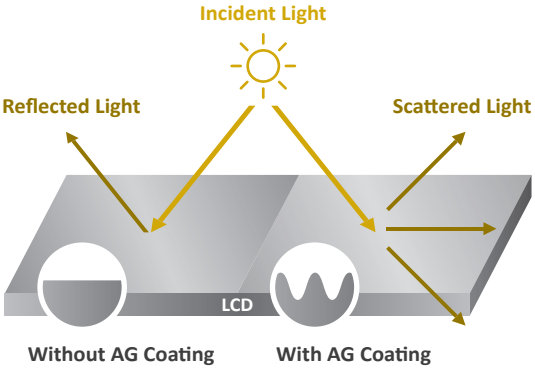


Clear Viewing from Every Angle

Supports Full HD (1920 × 1080) resolution with a 178° wide viewing angle for sharp visuals and clear readability from multiple angles.

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.



IP66

EMI
EN 61000-6-4

50,000-hr Backlight

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.

Up to 50 Configurations

With CDS technology, the CV-200 can be flexibly paired with computer or monitor modules to create nearly 50 panel PC or industrial monitor configurations, meeting diverse applications and deployment needs.



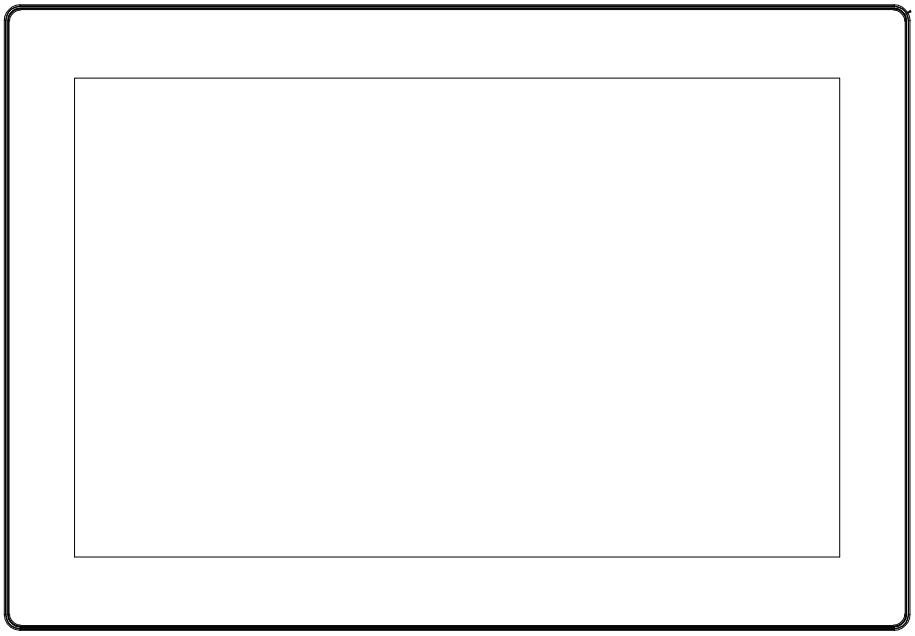
Specifications

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) - 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 ▪ 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
Industrial Environment	▪ EMC: - EN/BS/IEC 61000-6-4: 2019 Class A - EN/BS/IEC 61000-6-2: 2019

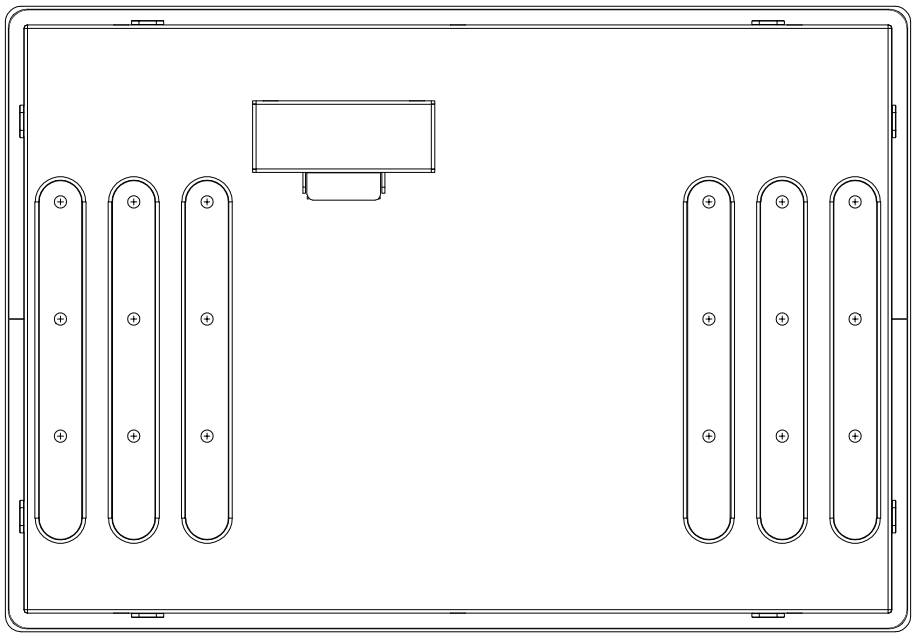
Railway	▪ EMC: EN 50155: 2021 Clause 4.4.6, 13.4.9 (w/ M1101 only) - EN 50121-1 : 2017 - EN 50121-3-2: 2016 + A1: 2019

External Layout

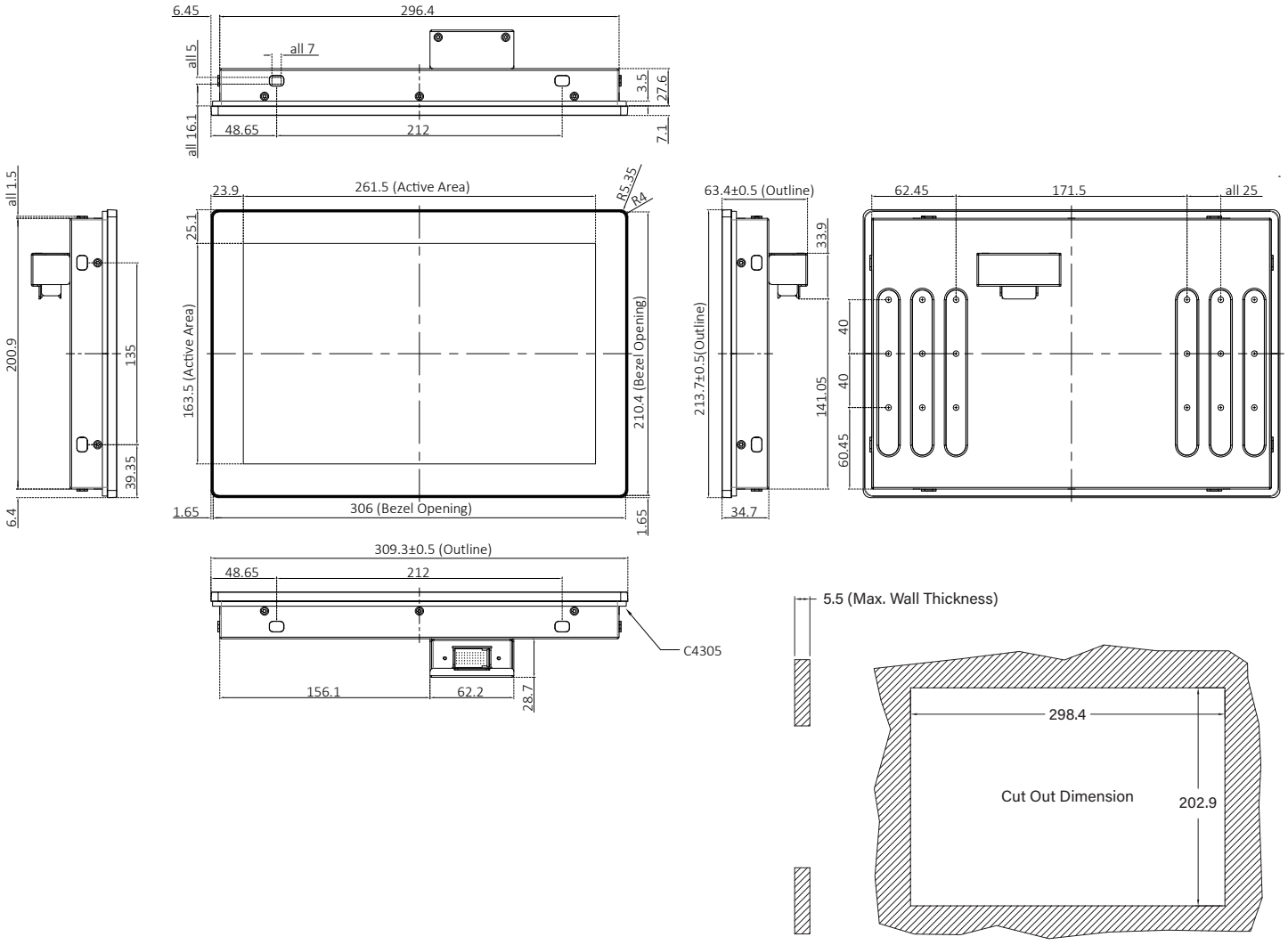
Front



Rear



Dimensions



Unit: mm

Ordering Information

Available Models

Model No.	Description
CV-212C-R10	12.1" TFT WXGA 16:10 Slim Bezel Display Module with Projected Capacitive Touch & AG Coating

Package Checklist

- CV-212C Display Module x 1
- Panel Mounting Kit x 10

Updated: Nov. 13, 2026

© Cincoze Co., Ltd. All Rights Reserved. Specifications subject to change without notice.
All product names, logos, and brands are the property of their respective owners. All company, product and service names used in this document are for identification purposes only. The use of these names, logos, and brands does not imply endorsement.