

CV-108 Series

8.4" TFT SVGA 4:3 Display Module with Resistive 5-wire Touch
/ Projected Capacitive Touch



CONVERTIBLE DISPLAY MODULE

| CV-100 Series |

Overview

CV-108 Series is 8.4" LCD display module with resistive 5-wire / projected capacitive touch screen. It offers resolution up to 800x600 (SVGA) and 400 nits brightness. CV-108 Series features flat surface and IP65 dust/waterproof front panel. In addition, designed with aluminum die-cast front frame, it is rugged and reliable for industrial environment. With support for Convertible Display System (CDS) technology, CV-108 Series allows you to configure, upgrade and maintain your Convertible Display System easily.

- 8.4" SVGA TFT 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- 30,000 hrs LED Backlight Life
- Resolution up to 800 x 600 (SVGA)
- 400 nits Brightness
- Designed with Aluminum Die-cast Front Frame
- IP 65 Compliant Front Panel
- Convertible Display System (CDS) Supported
- Safety: UL, cUL, CB, IEC, EN 62368-1

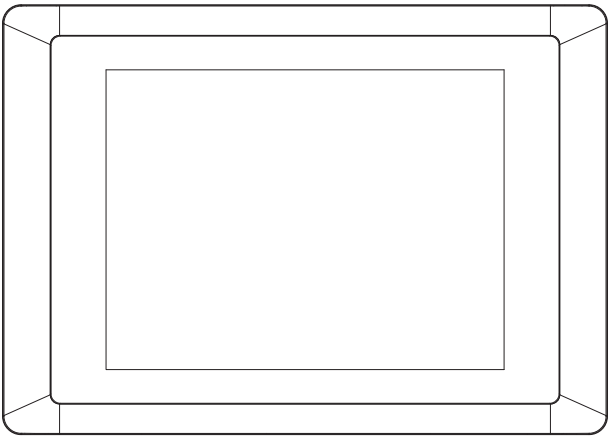


CV-108 Series Specifications

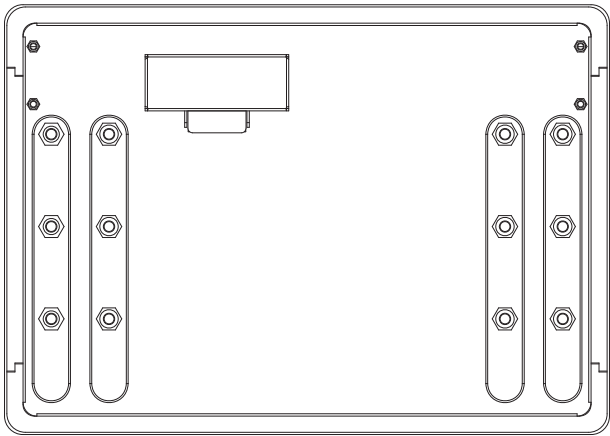
Model Name	CV-108R		CV-108C
Display			
LCD Size	▪ 8.4" (4:3)		
Max. Resolution	▪ 800 x 600		
Brightness (cd/m2)	▪ 400		
Contrast Ratio	▪ 600 : 1		
LCD Color	▪ 262K		
Pixel Pitch (mm)	▪ 0.213 (H) x 0.213 (V)		
Viewing Angle (H-V)	▪ 150 / 130		
Backlight MTBF	▪ 30,000 hrs (LED Backlight)		
Touch Screen			
Touch Type	▪ Resistive 5-wire	▪ Projected Capacitive	
Physical			
Dimension (W x D x H)	▪ 262 x 186.2 x 56.2 mm		
Weight Information	▪ 1.62 kg	▪ 1.56 kg	
Mechanical Construction	▪ Die-Casting Flat Surface		
Environment			
Front Panel Protection	▪ IP 65 Compliant		
Operating Temperature	▪ -20°C to 70°C (with Industrial Grade peripherals; Ambient with air flow)		
Storage Temperature	▪ -30°C to 80°C	▪ -20°C to 70°C	
Relative Humidity	▪ 90% RH @ 60°C (Non-condensing)	▪ 85% RH @ 60°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		
Safety	▪ UL, cUL, CB, IEC, EN 62368-1		

External Layout

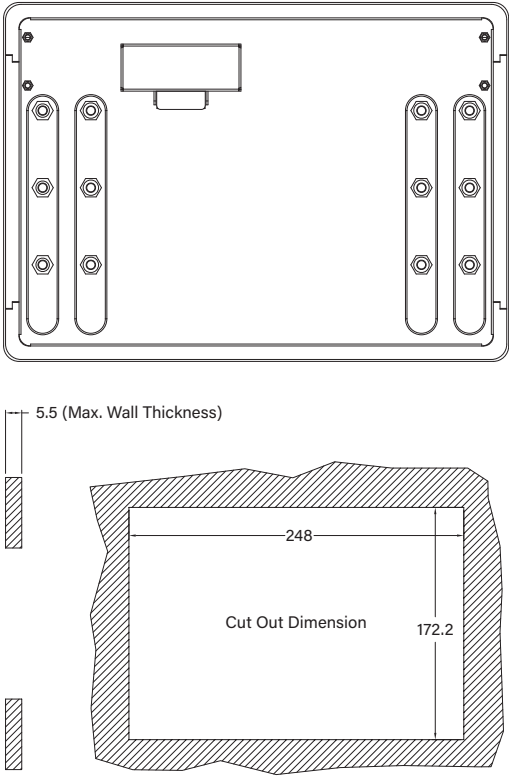
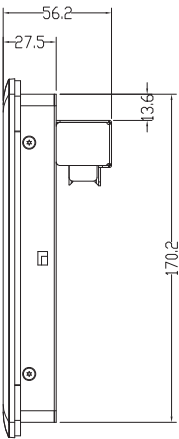
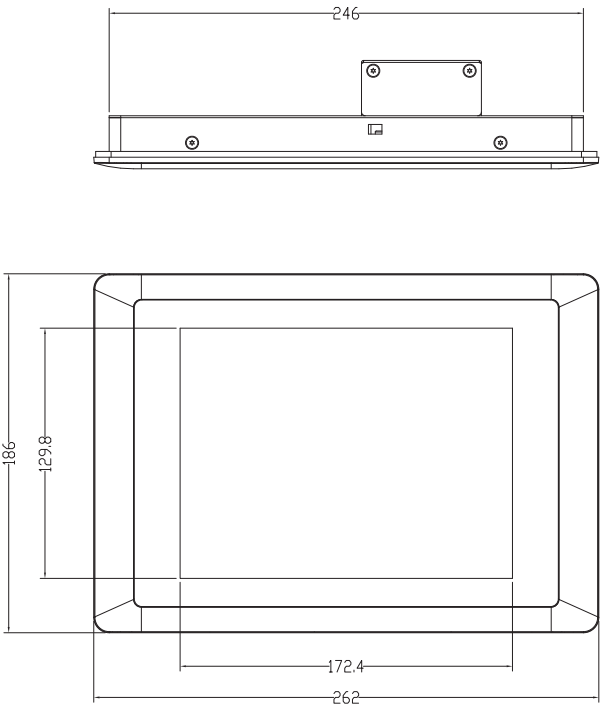
Front



Rear



Dimensions



Unit: mm

Ordering Information

Available Models

Model No.	Description
CV-108R-R10	8.4" TFT SVGA 4:3 Display Module with Resistive 5-wire Touch
CV-108C-R10	8.4" TFT SVGA 4:3 Display Module with Projected Capacitive Touch

Package Checklist

▪ CV-108 Series Display Module x 1	▪ Panel Mounting Kit x 1
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