CV-117 Series

17" TFT SXGA 5:4 Display Module with Resistive 5-wire Touch / Projected Capacitive Touch / Glass Only

CONVERTIBLE DISPLAY MODULE
| CV-100 Series |

Overview

CONTACT

CV-117 Series is 17" LCD display module with resistive 5-wire touch, projected capacitive touch, or glass only. It offers resolution up to 1280x1024 (SXGA) and 350 nits brightness. CV-117 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-117 Series allows you to configure, upgrade and maintain your Convertible Display System easily.

Key Features

- 17" TFT SXGA 5:4 LCD with Resistive 5-wire Touch / Projected Capacitive Touch / Glass Only
- 50,000 hrs LED Backlight Life
- Resolution up to 1280 x 1024 (SXGA)
- 350 nits Brightness
- Designed with Aluminum Die-cast Front Frame
- IP 65 Compliant Front Panel
- Convertible Display System (CDS) Supported
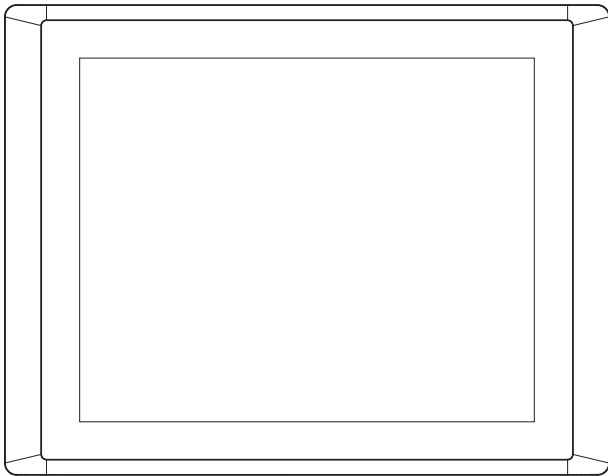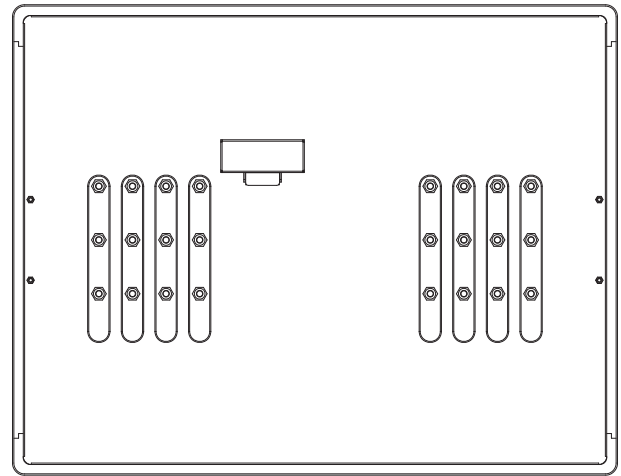- Safety: UL, cUL, CB, IEC, EN 62368-1

Certifications

IP65 · FC · CE · cULus · CDS Convertible Display System

Specifications

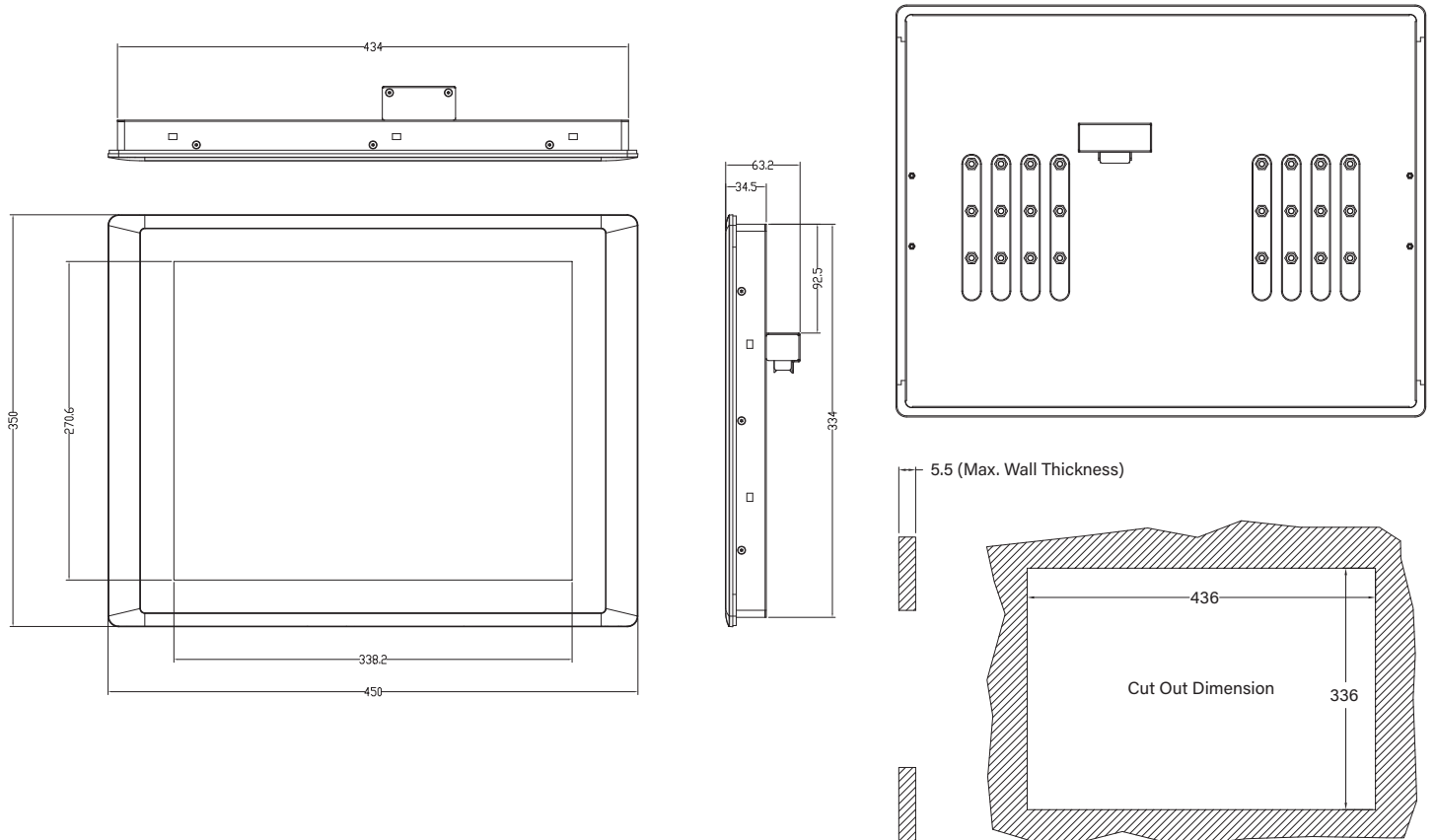| Model Name	CV-117R	CV-117C	CV-117G
Display			
LCD Size	• 17" (5:4)		
Max. Resolution	• 1280 x 1024		
Brightness (cd/m2)	• 350		
Contrast Ratio	• 800 : 1		
LCD Color	• 16.7M		
Pixel Pitch (mm)	• 0.264 (H) x 0.264 (V)		
Viewing Angle (H-V)	• 160 / 140		
Backlight LED Life Time	• 50,000 hrs (LED Backlight)		
Touch Screen			
Touch Type	• Resistive 5-wire	• Projected Capacitive	• Glass Screen
Physical			
Dimension (W x D x H)	• 450 x 350 x 63.2mm		
Weight Information	• 5.64 kg		
Mechanical Construction	• Die-Casting Flat Surface		
Power			
Power Consumption	• 18.9W (Max.)	• 18.85W (Max.)	• 18.4W (Max.)
Environment			
Front Panel Protection	• IP 65 Compliant		
Operating Temperature	• -20°C to 70°C (with Industrial Grade peripherals; Ambient with air flow)	• -20°C to 80°C (with Industrial Grade peripherals; Ambient with air flow)	• -30°C to 85°C (with Industrial Grade peripherals; Ambient with air flow)
Storage Temperature	• -30°C to 80°C		• -30°C to 85°C
Relative Humidity	• 80% RH @ 50°C (Non-condensing)		• 80% RH @ 50°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

434

350
270.6
338.2
450

63.2
34.5
92.5
334

5.5 (Max. Wall Thickness)

436

Cut Out Dimension

336

Unit: mm

Ordering Information

Available Models

Model No.	Description
CV-117R-R10	17" TFT SXGA 5:4 Display Module with Resistive 5-wire Touch
CV-117C-R11	17" TFT SVGA 5:4 Display Module with Projected Capacitive Touch
CV-117G-R10	17" TFT SVGA 5:4 Display Module without Touch

Package Checklist

▪ CV-117 Series Display Module x 1
▪ Panel Mounting Kit x 1