

# CS-112H

10.4" TFT-LCD Sunlight Readable Display Module with Projected Capacitive Touch



## SUNLIGHT READABLE DISPLAY MODULE

| CS-100 Series |

### Overview

 CONTACT

CS-112H is 12.1" TFT-LCD touch display module. It offers 1,500 nits ultra high brightness and 1024 x 768 (XGA) resolution, allowing viewers to see clear images even under any bright ambient light or direct sunlight environments. CS-112H is a rugged and reliable display solution featuring wide range operating temperature -20°C to 80°C, a solid aluminum die-casting front bezel and true flat IP65 front panel protection. Supporting Convertible Display System (CDS) technology, CS-112H allows you to configure, upgrade and maintain your display system according to your need.

### Key Features

- 12.1" TFT-LCD with Projected Capacitive Touch
- Ultra High Brightness up to 1,500 nits
- Resolution up to 1024 x 768 (XGA)
- 50,000 hrs LED Backlight Life
- Wide Range Operating Temperature -20°C to 80°C
- IP 65 Front Panel Protection
- Flat Rugged Aluminum Die-casting Bezel
- Convertible Display System (CDS) Technology Supported
- Safety: UL, cUL, CB, IEC, EN 62368-1

### Certifications

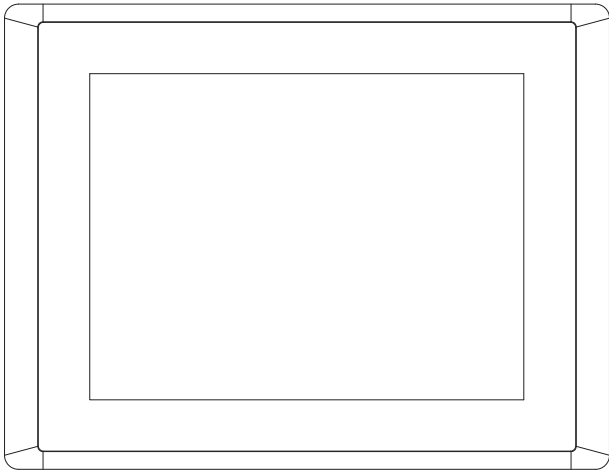


## CS-112H Specifications

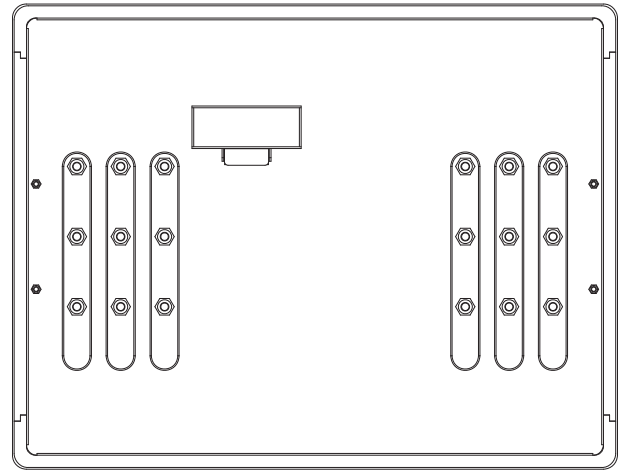
Model Name	CS-112HC
<b>Display</b>	
LCD Size	• 12.1" (4:3)
Max. Resolution	• 1024 x 768 (XGA)
Brightness (cd/m2)	• 1500
Contrast Ratio	• 700 : 1
LCD Color	• 16.7M
Pixel Pitch (mm)	• 0.24 (H) x 0.24 (V)
Viewing Angle (H-V)	• 160 / 140
Backlight MTBF	• 50,000 hrs (LED Backlight)
<b>Touch Screen</b>	
Touch Type	• Projected Capacitive
<b>Physical</b>	
Dimension ( W x D x H )	• 345 x 265.3 x 57 mm
Weight Information	• 3.16 kg
Mechanical Construction	• Flat Rugged Aluminum Die-casting Bezel
<b>Environment</b>	
Front Panel Protection	• IP 65 Compliant
Operating Temperature	• -20°C to 80°C (With Industrial Grade Peripherals; Ambient with air flow)
Storage Temperature	• -30°C to 80°C
Relative Humidity	• 90% RH @ 40°C (Non-condensing)
EMC	• CE, UKCA, FCC, ICES-003 Class A
EMI	<ul style="list-style-type: none"> <li>• CISPR 32 Conducted &amp; Radiated: Class A</li> <li>• EN/BS EN 55032 Conducted &amp; Radiated: Class A</li> <li>• EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A</li> <li>• EN/BS EN61000-3-3 Voltage fluctuations &amp; flicker</li> <li>• FCC 47 CFR Part 15B, ICES-003 Conducted &amp; Radiated: Class A</li> </ul>
EMS	<ul style="list-style-type: none"> <li>• EN/IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV</li> <li>• EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 3 V/m</li> <li>• EN/IEC 61000-4-4 EFT: AC Power: 1 kV; DC Power: 0.5 kV; Signal: 0.5 kV</li> <li>• EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV</li> <li>• EN/IEC 61000-4-6 CS: 3V</li> <li>• EN/IEC 61000-4-8 PFMF: 50 Hz, 1A/m</li> <li>• EN/IEC 61000-4-11 Voltage Dips &amp; Voltage Interruptions: 0.5 cycles at 50 Hz</li> </ul>
Safety	• UL, cUL, CB, IEC, EN 62368-1

**External Layout**

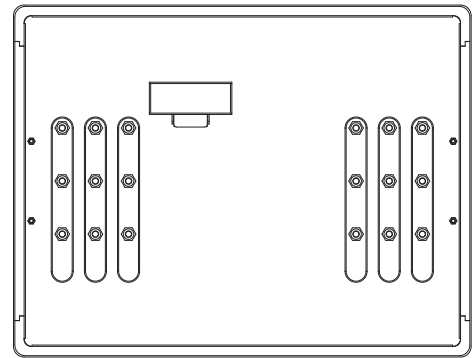
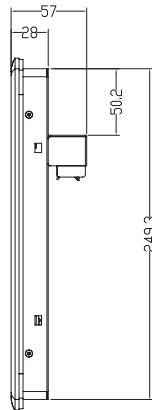
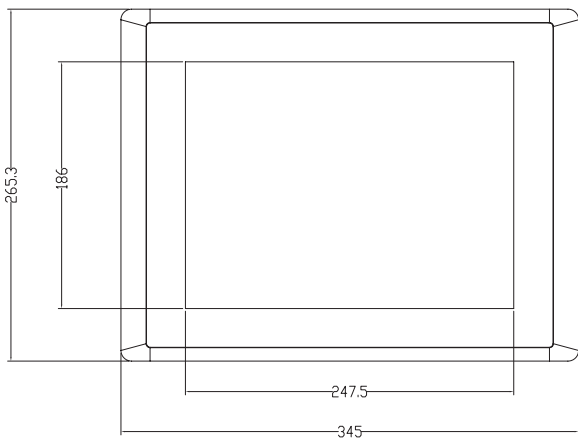
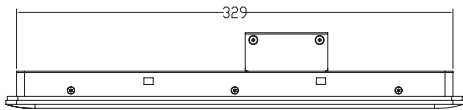
Front



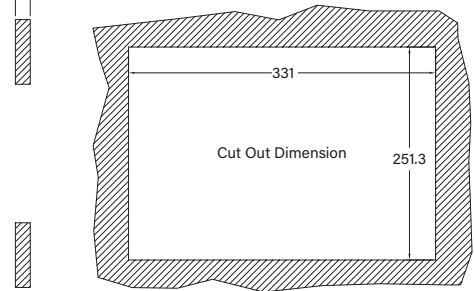
Rear



**Dimensions**



5.5 (Max. Wall Thickness)



**Unit: mm**

## Ordering Information

### Available Models

Model No.	Description
CS-112HC-R11	12.1" TFT-LCD 1500 nits XGA 4:3 Display Module with Projected Capacitive Touch

### Package Checklist

- CS-112H Display Module x 1
- Panel Mounting Kit x 1