

# CS-117/M1101 Series

17" TFT-LCD Sunlight Readable Touch Monitor with  
Projected Capacitive Touch, 1x DisplayPort, 1x HDMI®, 1x VGA



## MEETING ALL YOUR INDUSTRIAL MONITOR NEEDS

| CS-100/M1000 Series Sunlight Readable Monitor |

### Overview

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The Cincoze CS-100/M1101 series sunlight-readable industrial touch monitors are specifically designed for outdoor applications. The highest brightness is 1,800 nits and there is a selection of screen sizes, ratios, and brightnesses. The CS-100/M1101 is the best choice for outdoor kiosk displays and HMI applications because it is rugged and enables easy on-site maintenance. A variety of input interfaces are supported, including HDMI® and DisplayPort digital inputs, and VGA analog input. The monitor has a multi-language OSD and supports multiple installation methods, including panel, VESA, and rack mount, to cater to the varied deployment requirements of different outdoor application scenarios.

### Key Features

- 17" TFT-LCD with Ultra High Brightness up to 1,500 nits and 1280 x 1024 (SXGA) Resolution
- Designed with Aluminum Die-Casting Front Frame
- 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
- True Flat IP65 Front Panel Protection
- Support Panel / VESA / Rack Mount

### Certifications



## Complete Range of Sizes

The CS-100/M1101 series provides a variety of screen sizes from 8.4 to 24 inches, supports up to Full HD resolution, has a high brightness backlight display of up to 1,800 nits, and has a multi-point projective capacitive touchscreen, which can be selected according to application requirements.



## CDS Patented Technology

The patented CDS (Convertible Display System) 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.

Patent No. M482908

## Multiple Display Inputs

The CS-100/M1101 series has three display inputs, including HDMI® and DisplayPort digital inputs, and VGA analog input to cater to the display requirements of the industrial field.



## Wide Temp Support, Safe, and Reliable

The CS-100/M1101 series has industrial-grade protections, including wide temperature support and a dust- and water-resistant IP65 front panel to face harsh operating environments. In pursuit of ever higher product safety, the CS-100/M1101 series has also undergone rigorous testing to pass UL certification for product safety.

CS-117 Specifications

| Model Name              | CS-117                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display                 |                                                                                                                                                                                                                                                                                                                                                                                                   |
| LCD Size                | • 17" (5:4)                                                                                                                                                                                                                                                                                                                                                                                       |
| Max. Resolution         | • 1280 x 1024 (SXGA)                                                                                                                                                                                                                                                                                                                                                                              |
| Brightness (cd/m2)      | • 1500                                                                                                                                                                                                                                                                                                                                                                                            |
| 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              | • Projected Capacitive                                                                                                                                                                                                                                                                                                                                                                            |
| Wet Touch Tracking      | v                                                                                                                                                                                                                                                                                                                                                                                                 |
| Physical                |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Dimension ( W x D x H ) | • 450 x 350 x 63.2mm                                                                                                                                                                                                                                                                                                                                                                              |
| Weight Information      | • 5.64 kg                                                                                                                                                                                                                                                                                                                                                                                         |
| Mechanical Construction | • Flat Rugged Aluminum Die-casting Bezel                                                                                                                                                                                                                                                                                                                                                          |
| Power                   |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Power Consumption       | • 30.65W (Typ.)                                                                                                                                                                                                                                                                                                                                                                                   |
| Environment             |                                                                                                                                                                                                                                                                                                                                                                                                   |
| Front Panel Protection  | • IP 65 Compliant                                                                                                                                                                                                                                                                                                                                                                                 |
| Operating Temperature   | • -20°C to 70°C (-4°F to 158°F)<br>(With Industrial Grade Peripherals; Ambient with air flow)                                                                                                                                                                                                                                                                                                     |
| Storage Temperature     | • -30°C to 80°C (-22°F to 176°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 |
| Safety                  | • UL, cUL, CB, IEC, EN 62368-1                                                                                                                                                                                                                                                                                                                                                                    |

## M1101 Specifications

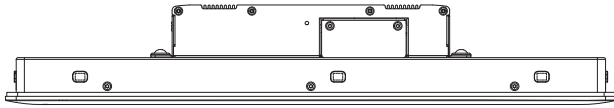
| Model Name                          | M1101                                                                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Graphics</b>                     |                                                                                                                                            |
| HDMI® Input                         | • 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)                                                                                                     |
| <b>Audio</b>                        |                                                                                                                                            |
| Audio input                         | • 1x Audio Line in, Phone Jack 3.5mm                                                                                                       |
| <b>I/O</b>                          |                                                                                                                                            |
| COM                                 | • 1x RS-232, DB9                                                                                                                           |
| USB                                 | • 1x 480Mbps USB 2.0, Type A                                                                                                               |
| <b>Other Function</b>               |                                                                                                                                            |
| OSD Button                          | • Menu, Auto, LCD On/Off, Brightness Up, Brightness Down                                                                                   |
| Internal Speaker                    | • AMP 2W + 2W                                                                                                                              |
| Status LED Indicator                | • Power LED, Standby LED                                                                                                                   |
| <b>Power</b>                        |                                                                                                                                            |
| Power Input                         | • 9 - 48VDC, 3-pin Terminal Block                                                                                                          |
| <b>Physical</b>                     |                                                                                                                                            |
| 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                                                                                                   |
| <b>Reliability &amp; Protection</b> |                                                                                                                                            |
| 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                                                                     |
| <b>Environment</b>                  |                                                                                                                                            |
| 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    | <ul style="list-style-type: none"><li>• CE, UKCA, FCC, ICES-003 Class A</li><li>• EN IEC 61000-6-4, EN IEC 61000-6-2(24VDC Input Only)</li></ul>                                                                                                                                                                                                                                                                                                                                 |
| 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>                                                                                                            |
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| Safety | <ul style="list-style-type: none"><li>• UL, cUL, CB, IEC, EN 62368-1</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                   |

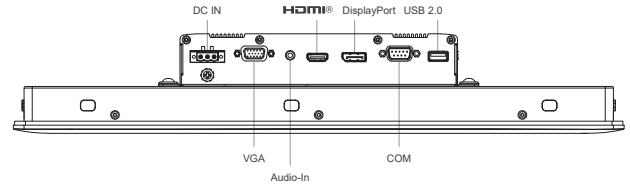
The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

## CS-117/M1101 External Layout

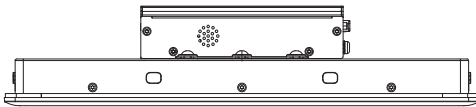
Front I/O



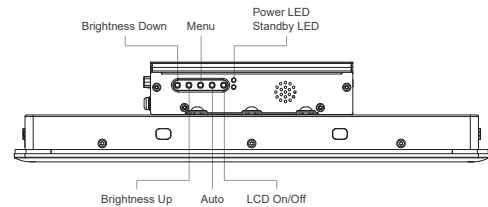
Rear I/O



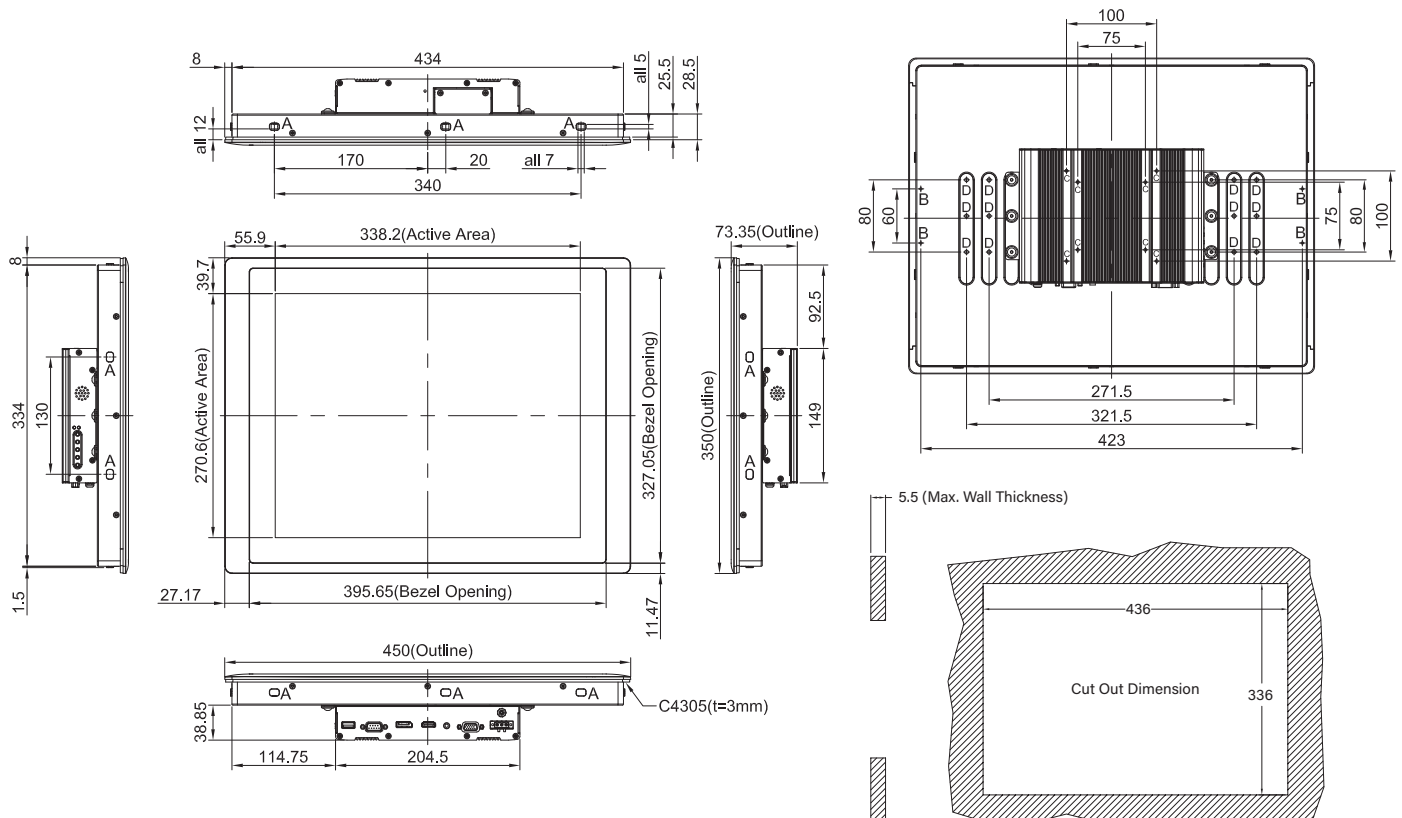
Left I/O



Right I/O



## CS-117/M1101 Dimensions



Ordering Information

Available Models

| Model No.             | Description                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------|
| CS-117C-R11/M1101-R10 | 17" TFT-LCD 1500nits Sunlight Readable Touch Monitor with Projected Capacitive Touch, 1x DisplayPort, 1x HDMI®, 1x VGA |

Package Checklist

|                                  |                                      |
|----------------------------------|--------------------------------------|
| • CS-117/M1101 Touch Monitor x 1 | • Panel Mounting Kit x 1             |
| • 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   |