

# CV-117/P2202 Series

17" TFT-LCD XGA 5:4 Display Modular / Expandable Panel  
PC with 12th Gen. Intel® Core™ i5 / i3 Processor & Resistive  
5-wire / Projected Capacitive Touch



## HIGH PERFORMANCE INDUSTRIAL PANEL PC

| CV-100/P2000 Series |

### Overview

[CONTACT](#)

The CV-100/P2202 series is a high-performance modular industrial panel PC with an Intel® Core™ U-series (Alder Lake-P) processor, a comprehensive selection of screen sizes, and flexible expansion. It includes a rich set of native I/O interfaces (1 GbE LAN, USB 3.2 Gen 2x1, COM, and DIO), has Mini PCIe, M.2 Key E Type 2230 expansion slots, and supports the exclusive CFM expansion module to add PoE and IGN functions. Cincoze's exclusive CDS patented technology provides flexibility for future computer performance upgrades or display replacements. The rugged CV-100/P2202 series can meet the diverse applications of equipment machine HMI and production process visualization.

### Key Features

- 17" TFT SXGA 5:4 LCD with Resistive 5-wire Touch / Projected Capacitive Touch / Glass Only
- Onboard Intel® Alder Lake-P U-Series Core™ Processor
- 2x DDR5 SO-DIMM Socket, Supports up to 4800MHz 64GB Memory
- Quad Independent Display (CDS / HDMI / DP / VGA)
- 1x M.2 Key E Type 2230 Socket for Storage/Wireless/Bluetooth/Intel CNVi Module Expansion
- Designed with Aluminum Die-cast Front Bezel
- Front Panel IP65 Compliant

### Certifications



## Excellent Computing Performance

The CV-100/P2202 series is equipped with the 12th Gen Intel® Core™ i5/i3 U-series (Alder Lake-P) processor based on the Intel® 7 process. The U-series has a low power consumption of only 15W, boasts excellent performance with up to 10 cores (2P+8E), and includes the built-in Intel® Iris Xe graphics to easily handle image classification inference performance in AI deep learning.

### i5 Processor

12th Gen Alder Lake i5-1245UE

**+2.23X** ↗

8th Gen. Whiskey i5-8365UE

### i3 Processor

12th Gen Alder Lake i3-1215UE

**+1.62X** ↗

8th Gen. Whiskey i3-8145UE



## CDS Patented Technology

Cincoze Convertible Display System (CDS) patented technology makes field-side maintenance and future upgrades easier. Replacing a display or improving system performance only requires replacing a single component, which significantly cuts upgrade costs.

Patent No. M482908

## Complete Range of Sizes

The CV-100/P2202 series has a diverse product portfolio, ranging from screen size (12 to 24 inches), display ratio (4:3, 5:4, and 16:9) to touch methods (multi-point P-Cap and single-point resistive), which can be selected based on application requirements.



## Rugged, Safe, & More Reliable

To face harsh and rugged usage environments, the CV-100/P2202 series has a series of industrial-grade protections, including a wide operating temperature range, a wide range DC power input (9 to 48VDC), and a dustproof/water resistant IP65 front panel, which is beneficial for applications such as field-side HMI or production process visualization.



CV-117 Series 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 | ▪ Non-Touch (Glass Cover) |         |
| Wet Touch Tracking      |                                                                                                                                                                                                                                                                                                                                                                                                   | v                      |                           |         |
| 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 (-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                                                                                                                                                                                                                                                                                                                                                                    |                        |                           |         |

P2202 Specifications

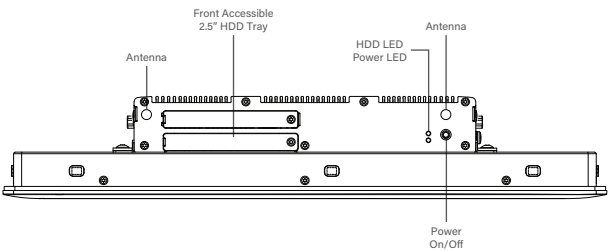
| Model Name                              | P2202                                                                                                                                                                                                                                                                               |                                                                                                                                                                                           | P2202E |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| System                                  |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                           |        |
| Processor                               | <ul style="list-style-type: none"><li>Onboard 12th Generation Intel® Alder Lake-P U-Series CPU:<ul style="list-style-type: none"><li>- Intel® Core™ i5-1245UE 10 Cores Up to 4.40 GHz, TDP 15W</li><li>- Intel® Core™ i3-1215UE 6 Cores Up to 4.40 GHz, TDP 15W</li></ul></li></ul> |                                                                                                                                                                                           |        |
| Memory                                  | <ul style="list-style-type: none"><li>2x DDR5 4800MHz SO-DIMM Socket</li><li>Supports Un-buffered and non-ECC Type, Up to 64GB</li></ul>                                                                                                                                            |                                                                                                                                                                                           |        |
| BIOS                                    | <ul style="list-style-type: none"><li>AMI BIOS</li></ul>                                                                                                                                                                                                                            |                                                                                                                                                                                           |        |
| Graphics                                |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                           |        |
| Graphics Engine                         | <ul style="list-style-type: none"><li>Integrated Intel® Iris® Xe Graphics: Core™ i5-1245UE</li><li>Integrated Intel® UHD Graphics: Core™ i3-1215UE</li></ul>                                                                                                                        |                                                                                                                                                                                           |        |
| Maximum Display Output                  | <ul style="list-style-type: none"><li>Supports Quad Independent Display</li></ul>                                                                                                                                                                                                   |                                                                                                                                                                                           |        |
| CDS                                     | <ul style="list-style-type: none"><li>1x CDS Connector (1920 x 1080 @60Hz)</li></ul>                                                                                                                                                                                                |                                                                                                                                                                                           |        |
| DP                                      | <ul style="list-style-type: none"><li>1x DisplayPort Connector (4096 x 2304 @60Hz)</li><li>* Verified maximum resolution: 3840 x 2160 @ 60Hz</li></ul>                                                                                                                              |                                                                                                                                                                                           |        |
| HDMI                                    | <ul style="list-style-type: none"><li>1x HDMI Connector (3840 x 2160 @30Hz)</li></ul>                                                                                                                                                                                               |                                                                                                                                                                                           |        |
| VGA                                     | <ul style="list-style-type: none"><li>1x VGA Connector (1920 x 1200 @60Hz)</li></ul>                                                                                                                                                                                                |                                                                                                                                                                                           |        |
| Audio                                   |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                           |        |
| Audio Codec                             | Realtek® ALC888, High Definition Audio                                                                                                                                                                                                                                              |                                                                                                                                                                                           |        |
| Line-out                                | <ul style="list-style-type: none"><li>1x Line-out, Phone Jack 3.5mm</li></ul>                                                                                                                                                                                                       |                                                                                                                                                                                           |        |
| Mic-in                                  | <ul style="list-style-type: none"><li>1x Mic-in, Phone Jack 3.5mm</li></ul>                                                                                                                                                                                                         |                                                                                                                                                                                           |        |
| I/O                                     |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                           |        |
| LAN                                     | <ul style="list-style-type: none"><li>2x 1GbE LAN, RJ45<ul style="list-style-type: none"><li>- GbE1: Intel® I219</li><li>- GbE2: Intel® I210</li></ul></li></ul>                                                                                                                    |                                                                                                                                                                                           |        |
| COM                                     | <ul style="list-style-type: none"><li>4x RS-232/422/485 with Auto Flow Control (Supports 5V/12V), DB9</li></ul>                                                                                                                                                                     |                                                                                                                                                                                           |        |
| USB                                     | <ul style="list-style-type: none"><li>3 x USB 3.2 Gen2x1 (10Gbps), Type A</li><li>1 x USB 2.0 (480Mbps), Type A</li></ul>                                                                                                                                                           |                                                                                                                                                                                           |        |
| DIO                                     | <ul style="list-style-type: none"><li>16x Isolated Digital I/O (8in/8out), 20-Pin Terminal Block</li></ul>                                                                                                                                                                          |                                                                                                                                                                                           |        |
| Storage                                 |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                           |        |
| SSD/HDD                                 | <ul style="list-style-type: none"><li>2x 2.5" SATA HDD/SSD Bay (SATA3.0)</li></ul>                                                                                                                                                                                                  |                                                                                                                                                                                           |        |
| RAID                                    | <ul style="list-style-type: none"><li>Support RAID 0/1</li></ul>                                                                                                                                                                                                                    |                                                                                                                                                                                           |        |
| Expansion                               |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                           |        |
| Mini PCI Express                        | <ul style="list-style-type: none"><li>2x Full-size Mini-PCIe Socket</li></ul>                                                                                                                                                                                                       |                                                                                                                                                                                           |        |
| PCI Express                             |                                                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"><li>1x PCI or 1x PCIe x4 Expansion slot (with Optional Riser Card)</li><li>* Supports maximum dimensions of add-on card (H x L) : 111 x 169mm</li></ul> |        |
| SIM Socket                              | <ul style="list-style-type: none"><li>1x SIM Socket</li></ul>                                                                                                                                                                                                                       |                                                                                                                                                                                           |        |
| M.2                                     | <ul style="list-style-type: none"><li>1x M.2 Key E Type 2230 Socket (PCIe Gen 3x2 / USB2.0), Support Storage/Wireless/Bluetooth/Intel CNVi Module Expansion</li></ul>                                                                                                               |                                                                                                                                                                                           |        |
| CFM (Control Function Module) Interface | <ul style="list-style-type: none"><li>1x CFM Interface for optional IGN Module Expansion</li><li>1x CFM Interface for optional PoE Module Expansion</li></ul>                                                                                                                       |                                                                                                                                                                                           |        |

|                                            |                                                                                                                                                                |                       |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| CDS (Convertible Display System) Interface | ▪ 1x CDS Interface for Convertible Display Module                                                                                                              |                       |
| Other Function                             |                                                                                                                                                                |                       |
| Clear CMOS Switch                          | ▪ 1x Clear CMOS Switch                                                                                                                                         |                       |
| Reset Button                               | ▪ 1x Reset Button                                                                                                                                              |                       |
| Watchdog Timer                             | ▪ Software Programmable Supports 256 Levels System Reset                                                                                                       |                       |
| OSD Button                                 | ▪ LCD On/Off, Brightness Up, Brightness Down                                                                                                                   |                       |
| Internal Speaker                           | ▪ AMP 2W + 2W                                                                                                                                                  |                       |
| Status LED Indicator                       | ▪ Power LED, HDD LED                                                                                                                                           |                       |
| Power                                      |                                                                                                                                                                |                       |
| Power Button                               | ▪ 1x ATX Power On/Off Button                                                                                                                                   |                       |
| Power Mode Switch                          | ▪ 1x AT/ATX Mode Switch                                                                                                                                        |                       |
| Power Input                                | ▪ 9 - 48VDC, 3-pin Terminal Block                                                                                                                              |                       |
| Remote Power On/Off                        | ▪ 1x Remote Power On/Off, 2-pin Terminal Block                                                                                                                 |                       |
| Max. Power Consumption                     | ▪ i5-1245UE CPU: 95.06W<br>- Test conducted with CPU, 1x RAM, and 1x storage<br>- 100% load during burn-in testing                                             |                       |
| Inrush Current (Peak)                      | ▪ i5-1245UE CPU: 5.381 A@24V                                                                                                                                   |                       |
| Operating System                           |                                                                                                                                                                |                       |
| Windows                                    | ▪ Windows®11, Windows®10                                                                                                                                       |                       |
| Linux                                      | ▪ Ubuntu Desktop 22.04 LTS                                                                                                                                     |                       |
| Physical                                   |                                                                                                                                                                |                       |
| Dimension( W x D x H )                     | ▪ 254.5 x 190 x 41.5 mm                                                                                                                                        |                       |
| Weight Information                         | ▪ 2.22 kg                                                                                                                                                      | ▪ 254.5 x 190 x 61 mm |
| Mechanical Construction                    | ▪ Extruded Aluminum with Heavy Duty Metal                                                                                                                      | ▪ 2.74 kg             |
| Mounting                                   | ▪ Wall / VESA / CDS / DIN Rail                                                                                                                                 |                       |
| Physical Design                            | ▪ Fanless Design<br>▪ Jumper-less Design                                                                                                                       |                       |
| Reliability & Protection                   |                                                                                                                                                                |                       |
| Reliability & Protection                   | ▪ Yes                                                                                                                                                          |                       |
| Reverse Power Input 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                                                                                                                                                          |                       |
| CMOS Battery Backup                        | ▪ SuperCap Integrated for CMOS Battery Maintenance-free Operation                                                                                              |                       |
| MTBF                                       | ▪ 216,747 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3                                                                                          |                       |
| Environment                                |                                                                                                                                                                |                       |
| Operating Temperature                      | ▪ -40°C to 70°C (-40°F to 158°F)<br>* With extended temperature peripherals; Ambient with air flow<br>* According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 |                       |
| Storage Temperature                        | ▪ -40°C to 85°C (-40°F to 185°F)                                                                                                                               |                       |
| Relative Humidity                          | ▪ 95%RH @ 70°C (non-Condensing)                                                                                                                                |                       |
| Shock                                      | ▪ Operating, 50 Grms (w/ SSD, according to IEC60068-2-27)                                                                                                      |                       |

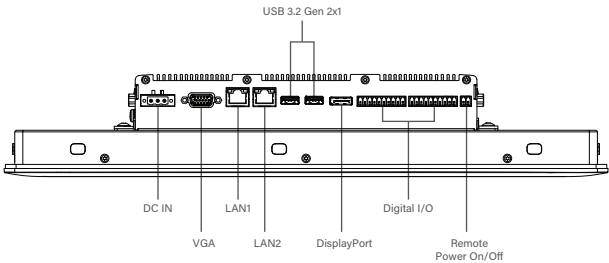
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vibration | <ul style="list-style-type: none"><li>• Operating, 1 Grms, 10-500 Hz, 3 Axes (w/ SSD, according to IEC60068-2-6)</li><li>• Operating, 5 Grms, 5-500 Hz, 3 Axes (w/ SSD, according to IEC60068-2-64)</li></ul>                                                                                                                                                                                                                                                                    |
| 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>                                                                                                            |
| 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: 10 V/m</li><li>• EN/IEC 61000-4-4 EFT: AC Power: 2 kV; DC Power: 1 kV; Signal: 1 kV</li><li>• EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV</li><li>• EN/IEC 61000-4-6 CS: 10V</li><li>• EN/IEC 61000-4-8 PFMF: 50 Hz, 30A/m</li><li>• EN/IEC 61000-4-11 Voltage Dips &amp; Voltage Interruptions: 1 cycles at 60 Hz</li></ul> |
| Safety    | <ul style="list-style-type: none"><li>• UL, cUL, CB, IEC/EN 62368-1</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                    |

CV-117/P2202 External Layout

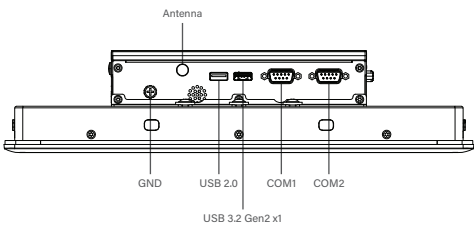
Front I/O



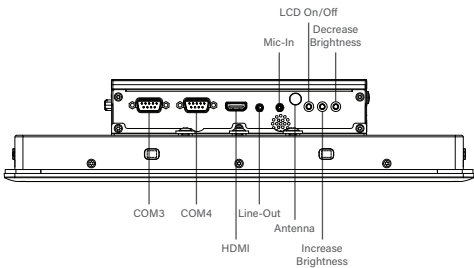
Rear I/O



Left I/O

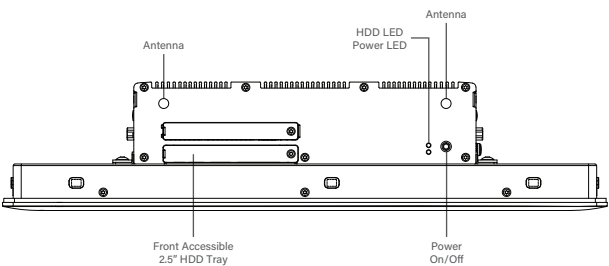


Right I/O

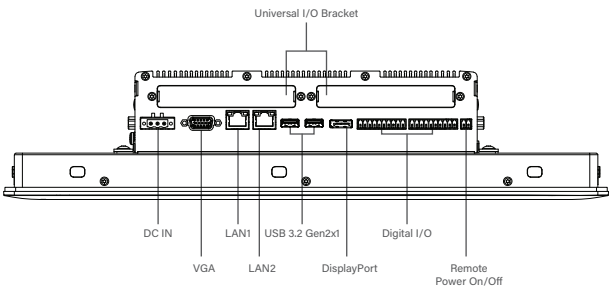


CV-117/P2202E External Layout

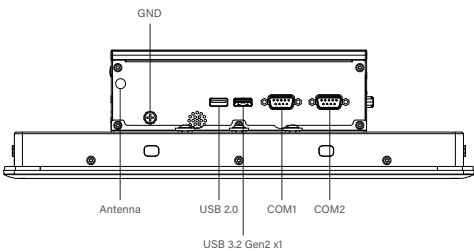
Front I/O



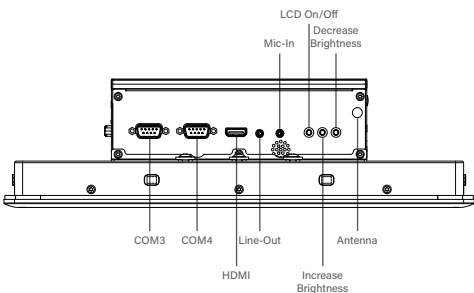
Rear I/O



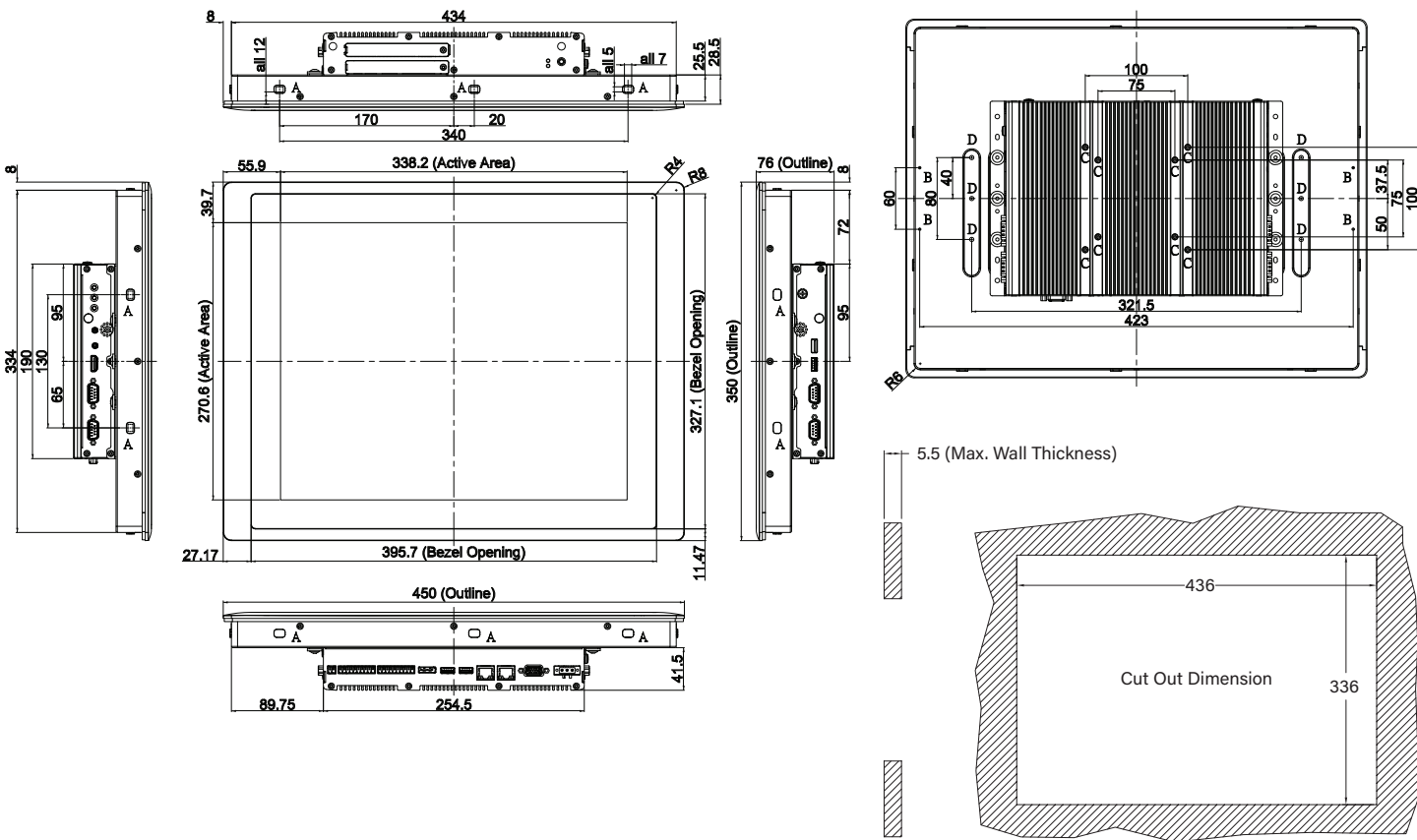
Left I/O



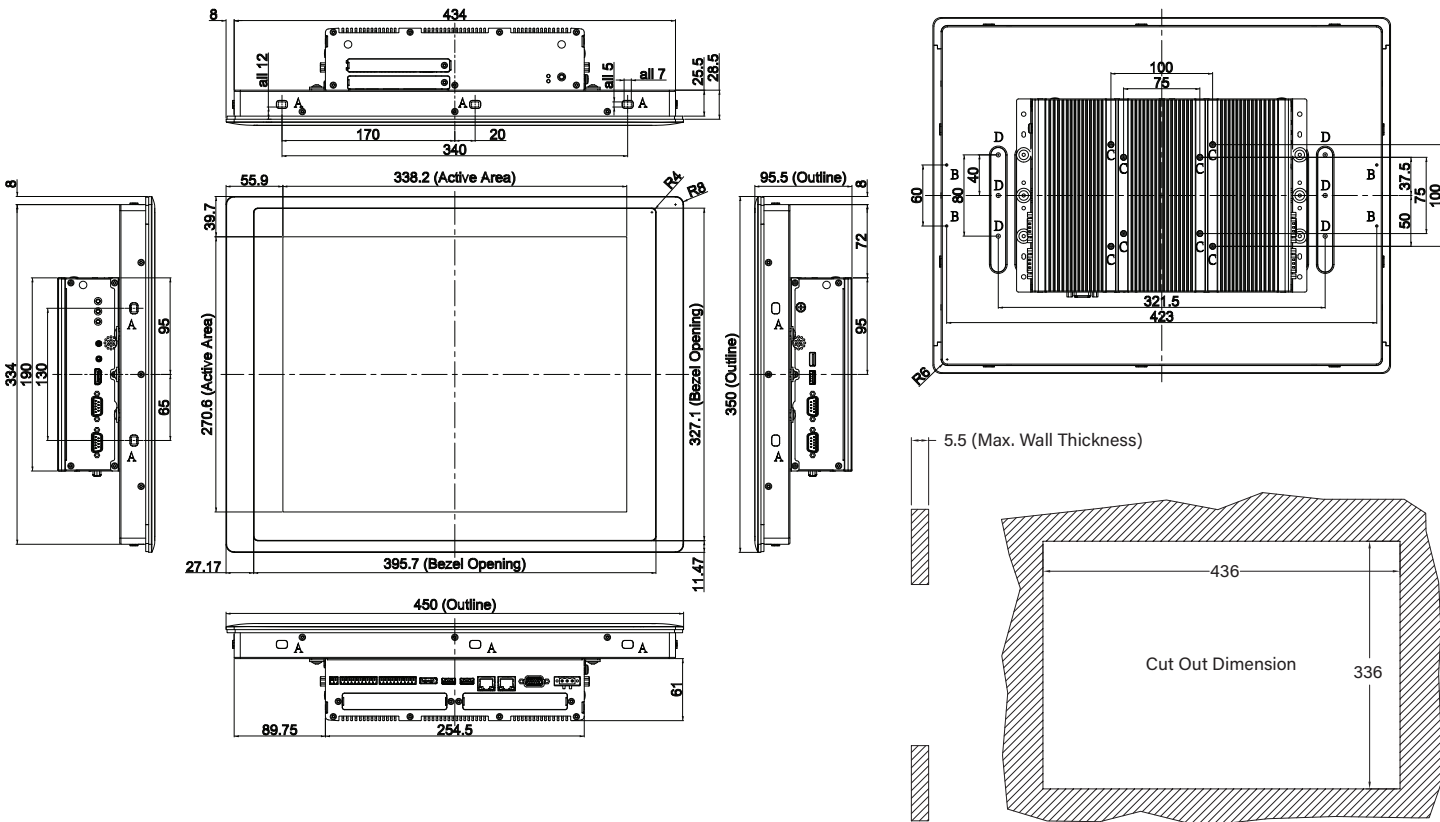
Right I/O



CV-117/P2202 Dimensions



CV-117/P2202E Dimensions



## Ordering Information

### Available Models

| Model No.                 | Description                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| CV-117R-R10/P2202-i5-R10  | 17" TFT SXGA 5:4 Display Modular Panel PC with 12th Gen. Intel® Core™ i5-1245UE Processor and Resistive 5-wire Touch                    |
| CV-117R-R10/P2202E-i5-R10 | 17" TFT SXGA 5:4 Display Modular and Expandable Panel PC with 12th Gen. Intel® Core™ i5-1245UE Processor and Resistive 5-wire Touch     |
| CV-117C-R11/P2202-i5-R10  | 17" TFT SXGA 5:4 Display Modular Panel PC with 12th Gen. Intel® Core™ i5-1245UE Processor and Projected Capacitive Touch                |
| CV-117C-R11/P2202E-i5-R10 | 17" TFT SXGA 5:4 Display Modular and Expandable Panel PC with 12th Gen. Intel® Core™ i5-1245UE Processor and Projected Capacitive Touch |
| CV-117G-R10/P2202-i5-R10  | 17" TFT SXGA 5:4 Display Modular Panel PC with 12th Gen. Intel® Core™ i5-1245UE Processor and without Touch                             |
| CV-117G-R10/P2202E-i5-R10 | 17" TFT SXGA 5:4 Display Modular and Expandable Panel PC with 12th Gen. Intel® Core™ i5-1245UE Processor and without Touch              |
| CV-117R-R10/P2202-i3-R10  | 17" TFT SXGA 5:4 Display Modular Panel PC with 12th Gen. Intel® Core™ i3-1215UE Processor and Resistive 5-wire Touch                    |
| CV-117R-R10/P2202E-i3-R10 | 17" TFT SXGA 5:4 Display Modular and Expandable Panel PC with 12th Gen. Intel® Core™ i3-1215UE Processor and Resistive 5-wire Touch     |
| CV-117C-R11/P2202-i3-R10  | 17" TFT SXGA 5:4 Display Modular Panel PC with 12th Gen. Intel® Core™ i3-1215UE Processor and Projected Capacitive Touch                |
| CV-117C-R11/P2202E-i3-R10 | 17" TFT SXGA 5:4 Display Modular and Expandable Panel PC with 12th Gen. Intel® Core™ i3-1215UE Processor and Projected Capacitive Touch |
| CV-117G-R10/P2202-i3-R10  | 17" TFT SXGA 5:4 Display Modular Panel PC with 12th Gen. Intel® Core™ i3-1215UE Processor and without Touch                             |
| CV-117G-R10/P2202E-i3-R10 | 17" TFT SXGA 5:4 Display Modular and Expandable Panel PC with 12th Gen. Intel® Core™ i3-1215UE Processor and without Touch              |

### Model Configuration

|                | CV-117R | CV-117C | CV-117G | P2202(i3/i5) | P2202E(i3/i5) |
|----------------|---------|---------|---------|--------------|---------------|
| CV-117R/P2202  | V       | --      | --      | V            | --            |
| CV-117C/P2202  | --      | V       | --      | V            | --            |
| CV-117G/P2202  | --      | --      | V       | V            | --            |
| CV-117R/P2202E | V       | --      | --      | --           | V             |
| CV-117C/P2202E | --      | V       | --      | --           | V             |
| CV-117G/P2202E | --      | --      | V       | --           | V             |

V : Compatible

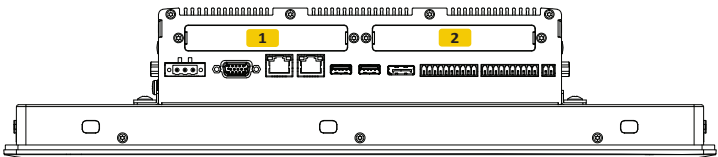
### Package Checklist

|                                                         |                            |
|---------------------------------------------------------|----------------------------|
| ▪ CV-117/P2202 Series Panel PC x1                       | ▪ Thermal Pad x1           |
| ▪ Power Terminal Block x1                               | ▪ Screw Pack x5            |
| ▪ Remote Power On/Off Terminal Block Connector x1       | ▪ Panel Mounting Kit x1    |
| ▪ DIO Terminal Block Connector x2                       | ▪ DIN Rail Mounting Kit x1 |
| ▪ PCI / PCIe Card Installation Kit x1 (For P2202E Only) |                            |

Optional Modules and Accessories

| Model No.         | Description                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------|
| CFM-IGN101        | CFM Module with Power Ignition Sensing Control Function, 12V/24V Voltage Detection Selectable                 |
| CFM-PoE04         | CFM Module with PoE Control Function, Individual Port 25.5W (For P2202 Only)                                  |
| CFM-PoE05         | CFM Module with PoE Control Function, Individual Port 25.5W (For P2202E Only)                                 |
| RC-E4-02          | Riser Card with 1x PCIe x4 Slot (For P2202E Only)                                                             |
| RC-PI-02          | Riser Card with 1x PCI Slot (For P2202E Only)                                                                 |
| MEC-COM-M212-TDB9 | Mini-PCle Module with 2x RS-232 Ports, 1x Thin DB9 Cable (For P2202E Only)                                    |
| MEC-COM-M334-TDB9 | Mini-PCle Module with 4x RS-232/422/485 Ports, 2x Thin DB9 Cable (For P2202E Only)                            |
| MEC-USB-M102-30   | Mini-PCle Module with 2x USB 3.0 Ports, 1x 30cm cable (For P2202E Only)                                       |
| MEC-LAN-M102-30   | Mini-PCle Module with 2x LAN Ports, 2x 30cm cable (For P2202E Only)                                           |
| UB1203            | 1x Universal Bracket with 2x DB9 Cutout (For P2202E Only)                                                     |
| UB1211            | 1x Universal Bracket with 2x RJ45 Cutout (For P2202E Only)                                                    |
| UB1214            | 1x Universal Bracket with 2x USB Cutout (For P2202E Only)                                                     |
| URM01             | Universal 19" Rack Mount Kit for Industrial Panel PC & Industrial Monitor                                     |
| GST120A24-CIN     | Adapter AC/DC 24V 5A 120W with 3pin Terminal Block Plug and Tubes, Level VI                                   |
| GST220A24-CIN     | Adapter AC/DC 24V 9.2A 220W with 3pin Terminal Block Plug 5.0mm Pitch, with TUBES, level VI (For P2202E Only) |
| GST360A24-CIN     | Adapter AC/DC 24V 15A 360W with 3pin Terminal Block Plug 5.0mm Pitch, with TUBES, Level VI                    |

Optional Module Configuration (For P2202E only)



| Model No.                                                                                                       | Description                                                                                             | 1 | 2 |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---|---|
| <br>MEC-COM-M212-TDB9/UB1203 | Mini-PCle Module with 2x RS-232 Ports, 1x Thin DB9 Cable /<br>1x Universal Bracket with 2x DB9 Cutout   | V | V |
| <br>MEC-COM-M334-TDB9/UB1203 | Mini-PCle Module with 4x RS-232/422/485 Serial Ports/<br>2x Universal Bracket each with 2x DB9 Cutout   | V | V |
| <br>MEC-LAN-M102-30/UB1211   | Mini-PCle Module with 2x LAN Ports, 2x 30cm cable /<br>1x Universal Bracket with 2x RJ45 Cutout         | V | V |
| <br>MEC-USB-M102-30/UB1214   | Mini-PCle Module with 2x USB 3.2 Gen1 Ports, 1x 30cm cable /<br>1x Universal Bracket with 2x USB Cutout | V | V |

V : Compatible

Updated: Aug. 29, 2025.