CO-119C/P1301 Series

19" TFT-LCD SXGA 5:4 Open Frame Display Modular Panel PC with Intel® Alder Lake-N Platform, Slim Embedded Computer & P-Cap. Touch



ALL-NEW OPEN FRAME PANEL PC

CO-100/P1000 Series Fits Any Machine Perfectly

Overview



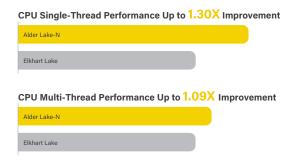
Cincoze open frame industrial panel PC series (CO-100/P1301) is equipped with an Intel® Alder Lake-N processor, rich I/O interfaces (2.5 GbE LAN, USB3.2 Gen2x1, COM, DIO, etc.), and flexible expansion. The biggest highlight is its adjustable mounting bracket design (Patent No.: D224544, D224545, I802427) that allows flexible adjustment and multi-stage locking to greatly improve the convenience of installation in cabinets of various materials and thicknesses, effectively reducing the degree of customization required by equipment manufacturers when integrating with equipment. Its rugged design takes into account the application requirements for field-side HMI in harsh industrial environments.

Key Features

- 19" TFT-LCD with Projected Capacitive Touch
- Onboard Intel® Alder Lake-N Core™ i3-N305, Processor N97 and Atom® x7425E Processor
- 1x DDR5 SO-DIMM Socket, Supports up to 4800MHz & 16GB Memory
- 1x M.2 Key E Type 2230 Socket for Wireless/Intel CNVi Module Expansion
- 1x M.2 Key B Type 3042/3052 Socket for 5G/Storage/Add-on Card Expansion
- Front Panel IP65 Compliant
- Designed with Adjustable Mounting Bracket
- Supports Flat / Standard / VESA / Rack Mount
- Supports Cincoze Patent CDS Technology (Patent No. M482908)

AI & Multitasking Performance

The CO-100/P1301 is equipped with an Intel Alder Lake-N quad-core processor based on the Intel® 7 process. Compared with the previous generation Elkhart Lake platform, the CPU single-thread performance is improved by up to 130%, and the multi-thread performance is improved by 109%. The built-in UHD graphics chip improves AI inference, with 6.85 times the object recognition performance.





Convenient Upgrades & Repairs

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

Easy to Install

The exclusive adjustable mounting bracket has thickness adjustment options and supports multiple locking methods (panel and boss types), providing a simpler and more convenient integration for industrial machines using flat mount and standard mount.







Integrated Structure

The flexible and reliable design of the open-frame architecture panel PC enables deployment in equipment machines, and after removing the mounting bracket can be installed directly using the VESA mount for standalone use, or installed in a 19" rack for display function.

Wide Temps, Safe & More Reliable

The CO-100/P1301 series features a series of industrial-grade protections, such as a fanless design, wide operating temperature range, wide range DC power input (9 to 48VDC), and IP65 dustproof/water resistant front panel for field-side HMI applications in harsh industrial environments.









CO-119C Specifications

Model Name	CO-119C	
Display		
LCD Size	• 19" (5:4)	
Resolution	• 1280 x 1024	
Brightness	• 350 cd/m2	
Contrast Ratio	• 1000 : 1	
LCD Color	• 16.7M	
Pixel Pitch	• 0.294 (H) × 0.294 (V)	
Viewing Angle	• 170 (H) / 160 (V)	
Backlight LED Life Time	• 50,000 hrs (LED Backlight)	
Touch Screen		
Touchscreen Type	Projected Capacitive Touch	
Physical		
Dimension (W x D x H)	• 472.8 x 397.5 x 63mm	
Weight	• 6.91kg	
Construction	One-piece and Slim Bezel Design	
Mounting Type	• Flat / Standard / VESA / Rack Mount	
Mounting Bracket	Pre-installed Mounting Bracket with Adjustable Design (Support 11 different stages of adjustment)	
Power		
Power Consumption	• 21W (Max.)	
Protection		
Ingress Protection	Front Panel IP65 Compliant * According to IEC60529	
Environment		
Operating Temperature	• 0°C - 50°C (with Industrial Grade peripherals; Ambient with air flow)	
Storage Temperature	• -20°C to 60°C	
Humidity	• 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 	



P1301 Specifications

Model Name	P1301	
System		
Processor	• Onboard Intel® Alder Lake-N Series Processor: - Intel® Core™ i3-N305 8 Cores Up to 3.80 GHz, TDP 15W - Intel® Processor N97 4 Cores Up to 3.60 GHz, TDP 12W - Intel Atom® x7425E 4 Cores Up to 3.40 GHz, TDP 12W	
Memory	• 1x DDR5 4800MHz SO-DIMM Socket Supports Un-buffered and Non-ECC Type, Up to 16GB	
BIOS	• AMI BIOS	
Graphics		
Graphics Engine	Integrated Intel® UHD Graphics	
Maximum Display Output	Supports Triple Independent Display	
CDS	• 1x CDS Connector (1920 x 1080 @60Hz)	
DP	• 1x DisplayPort Connector (4096 x 2304 @60Hz) * Verified maximum resolution: 3840 x 2160 @ 60Hz	
VGA	• 1x VGA Connector (1920 x 1200 @60Hz)	
Audio		
Audio Codec	Realtek® ALC888, High Definition Audio	
Line-out	• 1x Line-out, Phone Jack 3.5mm	
Mic-in	• 1x Mic-in, Phone Jack 3.5mm	
1/0		
LAN	• 2x 2.5GbE LAN, RJ45 - GbE1 / GbE2: Intel® I225	
СОМ	• 2x RS-232/422/485 with Auto Flow Control Support 5V/12V, DB9	
USB	• 3 x USB 3.2 Gen2x1 (10Gbps), Type A • 1 x USB 2.0 (480Mbps), Type A	
DIO	8x Isolated Digital I/O (4in/4out), 10-Pin Terminal Block	
Storage		
SSD/HDD	• 1x 2.5" Front Accessible SATA HDD/SSD Bay	
M.2 SSD	• 1x M.2 SSD Shared by M.2 Key B Type 3042/3052 Socket, Support SATA SSD (SATA3.0)	
Expansion		
M.2 Key E Socket	• 1x M.2 Key E Type 2230 Socket (PCle Gen 3x1 / USB2.0), Support Wireless/Intel CNVi Module Expansion	
M.2 Key B Socket	• 1x M.2 Key B Type 3042/3052 Socket (PCle Gen 3x1 / USB3.2 Gen2 x1 / SATA), Support 5G/Storage/Add-on Card Expansion	
SIM Socket	• 1x Front Accessible SIM Socket	
CFM (Control Function Module) Interface	1x CFM Interface for optional IGN Module Expansion 1x CFM Interface for optional PoE Module Expansion	
Other Function		
Clear CMOS Switch	• 1x Clear CMOS Switch	
Reset Button	• 1x Reset Button	
Instant Reboot	Support 0.2sec Instant Reboot Technology	



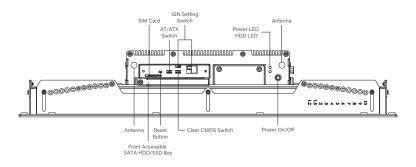
Witchdog Timer - Software Programmable Supports 256 Love Suytem Reset 60 Distor - LCC On/ORD, Brightness Up, Brightness Down Internal Speaker - AMP 2W + 2W Status & ED Indicator - PAMP 2W + DD LED Power - Pamper LED, HDD LED Power Button - 1x ATX Power On/OR Button Power Report - 1x Remote Power Unit DL 2 pin Terminal Block Note: Power Consumption - 1x Remote Power Unit DL 2 pin Terminal Block Note: Power Consumption - 1x Remote Power Unit DL 2 pin Terminal Block Note: Power Consumption - 1x Remote Power Unit DL 2 pin Terminal Block Note: Power Consumption - 1x Remote Power Unit DL 2 pin Terminal Block Power Consumption - 1x Remote Power Unit DL 2 pin Terminal Block Note: Consumption - 1x Remote Power Unit DL 2 pin Terminal Block Power Consumption - 1x Remote Power Unit DL 2 pin Terminal Block Power Consumption - 1x Remote Power Unit DL 2 pin Terminal Block			
Internal Speaker	Watchdog Timer	Software Programmable Supports 256 Levels System Reset	
Power Bullan S. K.ATX Power On/Off S. Spin Terminal Block S. K.ATX Power Consumption S. K.ATX Power On/Off S. Spin Terminal Block S. K.ATX Power Consumption S. K.ATX Power On/Off S. Spin Terminal Block S. K.ATX Power Consumption S. K.ATX Power Consump	OSD Button	• LCD On/Off, Brightness Up, Brightness Down	
Power Button	Internal Speaker	• AMP 2W + 2W	
Power Button	Status LED Indicator	• Power LED, HDD LED	
Power Mode Switch - 1x ATATX Mode Switch Power Input - 9 - 49VDC, 3-pin Terminal Block Remote Power Cn/Off - 1x Remote Power LED - 1x Remote Power LED, 2-pin Terminal Block Remote Power LED - 1x Remote Power LED, 2-pin Terminal Block Nex. Power Consumption - 13-N205 CPU - 48-59W - Nex Conducted with CPU, 1x RAM, and 1x storage - 1-00% load during burn-in testing Innush Current (Peak) - 1-N90 CPU - 52-22 Agr2V - N97 CPU - 52-24 Agr2V - Vibration Desktop 22-04 LTS Physical - 1-N90 Conducted with CPU, 1x RAM, and 1x storage - 1-N90 CPU - 52-24 Agr2V - Vibration Desktop 22-04 LTS - Vibration Desktop 22-04 LTS - 10-10 No. 1 No	Power		
Power Input	Power Button	• 1x ATX Power On/Off Button	
Remote Power On/Off - tx Remote Power LED - tx Re	Power Mode Switch	• 1x AT/ATX Mode Switch	
Remote Power LED	Power Input	• 9 - 48VDC, 3-pin Terminal Block	
Max. Power Consumption i. Sh. Na00 C. CPL: 48.59W	Remote Power On/Off	• 1x Remote Power On/Off, 2-pin Terminal Block	
Inrush Current (Peak) Insus Insus Current	Remote Power LED	• 1x Remote Power LED, 2-pin Terminal Block	
Operating System Microsoft* Windows**	Max. Power Consumption	N97 CPU: 34.04W Test conducted with CPU, 1x RAM, and 1x storage	
Linux Jubuntu Desktop 22.04 LTS Physical Dimension (WXDXH) 220.45 X199 X46.5mm Weight 1.57 kg Mechanical Construction Extruded Aluminum with Heavy Duty Metal Mounting Wall / VESA / CDS / DIN Rail Physical Design Fanless Design Jumper-less Design Jumper-l	Inrush Current (Peak)		
Linux - Ubuntu Desktop 22.04 LTS Physical Dimension (W x D x H) - 204.5 x 149 x 46.5mm Weight - 1.57 kg Mechanical Construction - Extruded Aluminum with Heavy Duty Metal Mounting - Wall / VESA / CDS / DIN Rall Physical Design - Jumper-less Design - Jumper-less Design Reliability & Protection Reverse Power Input - Yes Over Voltage Protection - 15A CMOS Battery Backup - SuperCap Integrated for CMOS Battery Maintenance-free Operation MIBF - 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3 Environment Operating Temperature - Intel® Processor N97 / Atom® x7425E: 40°C to 70°C * PassMark Burn-In Test: 100% CPU, 207.3D Graphics (without thermal throttling) * With extended temperature perhaperals; Ambient with air flow * According to IEC600088-2-1, IEC600088-2-1, IEC600088-2-1, IEC600088-2-1, IEC600088-2-1, IEC600088-2-1, Intel® Core® 13-N305: 995/SH (@ 60°C (non-Condensing) - Intel® Processor N97 / Atom® x7425E: 95%RH @ 60°C (non-Condensing) - Intel® Core® 13-N305: 995/SH (@ 60°C (non-Condensing)	Operating System		
Physical Dimension (Wx Dx H)	Microsoft® Windows®	• Windows®11, Windows®10	
Dimension (W x D x H)	Linux	Ubuntu Desktop 22.04 LTS	
Meight 1.57 kg Mechanical Construction	Physical		
Mechanical Construction - Extruded Aluminum with Heavy Duty Metal Mounting - Wall / VESA / CDS / DIN Rail Physical Design - Fanless Design - Jumper-less Design - Jumper-less Design - Protection Reverse Power Input - Yes Over Voltage Protection - Protection Range: 51–58V - Protection Type: shut down operating voltage, re-power on at the preset level to recover Over Current Protection - 15A CMOS Battery Backup - Super-Cap Integrated for CMOS Battery Maintenance-free Operation MTBF - 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3 Environment Operating Temperature - Intel® Processor N97 / Atom® x7425E: -40°C to 70°C - Intel® Core® is N-305: -40°C to 80°C explain with air flow - According to IEC60068-2-1, IEC60068-2-1, IEC60068-2-14 Storage Temperature - 40°C to 70°C Relative Humidity - Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) - Intel® Core® is -N-305: 95%RH @ 60°C (non-Condensing)	Dimension (W x D x H)	• 204.5 x 149 x 46.5mm	
Mounting . Wall / VESA / CDS / DIN Rail Physical Design . Fanless Design . Jumper-less Design Reliability & Protection Reverse Power Input . Yes Over Voltage Protection . Protection Range: 51-58V . 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 . 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3 Environment Operating Temperature . Intel® Processor N97 / Atom® x7425E: -40°C to 70°C . PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) . With extended temperature peripherals; Ambient with air flow . According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature40°C to 70°C Relative Humidity . Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) . Intel® Core® i3-N305: 95%RH @ 60°C (non-Condensing)	Weight	• 1.57 kg	
Physical Design	Mechanical Construction	Extruded Aluminum with Heavy Duty Metal	
Reliability & Protection Reverse Power Input Yes Over Voltage Protection Protection Range: 51~58V 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 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3 Environment Operating Temperature Intel® Processor N97 / Atom® x7425E: -40°C to 70°C Intel® Core® 13-N305: -40°C to 60°C PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) With extended temperature peripherals; Ambient with air flow According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature -40°C to 70°C Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) Intel® Core® 13-N305: 95%RH @ 60°C (non-Condensing)	Mounting	• Wall / VESA / CDS / DIN Rail	
Protection Range: 51~58V 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 - 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3 Environment Operating Temperature - Intel® Processor N97 / Atom® x7425E: -40°C to 70°C - Intel® Core® i3-N305: -40°C to 60°C - PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) - With extended temperature peripherals; Ambient with air flow - According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature - 40°C to 70°C Relative Humidity - Intel® Core® i3-N305: 95%RH @ 60°C (non-Condensing) - Intel® Core® i3-N305: 95%RH @ 60°C (non-Condensing)	Physical Design		
Over Voltage Protection Protection Range: 51~58V Protection Type: shut down operating voltage, re-power on at the preset level to recover 15A CMOS Battery Backup SuperCap Integrated for CMOS Battery Maintenance-free Operation MTBF 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3 Environment Operating Temperature Intel® Processor N97 / Atom® x7425E: -40°C to 70°C Intel® Core® i3-N305: -40°C to 60°C PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) With extended temperature peripherals; Ambient with air flow According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) Intel® Core® i3-N305: 95%RH @ 60°C (non-Condensing)	Reliability & Protection		
Protection Type: shut down operating voltage, re-power on at the preset level to recover 15A CMOS Battery Backup SuperCap Integrated for CMOS Battery Maintenance-free Operation MTBF 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3 Environment Operating Temperature Intel® Processor N97 / Atom® x7425E: -40°C to 70°C Intel® Core® i3-N305: -40°C to 60°C PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) With extended temperature peripherals; Ambient with air flow According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) Intel® Core® i3-N305: 95%RH @ 60°C (non-Condensing)	Reverse Power Input	• Yes	
CMOS Battery Backup - SuperCap Integrated for CMOS Battery Maintenance-free Operation MTBF - 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3 Environment Operating Temperature - Intel® Processor N97 / Atom® x7425E: -40°C to 70°C - Intel® Core® I3-N305: -40°C to 60°C ® PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) ® With extended temperature peripherals; Ambient with air flow ® According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature - 40°C to 70°C Relative Humidity - Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) - Intel® Core® I3-N305: 95%RH @ 60°C (non-Condensing)	Over Voltage Protection		
MTBF • 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3 Environment Operating Temperature • Intel® Processor N97 / Atom® x7425E: -40°C to 70°C • Intel® Core™ i3-N305: -40°C to 60°C * PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) * With extended temperature peripherals; Ambient with air flow * According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature • -40°C to 70°C Relative Humidity • Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) • Intel® Core™ i3-N305: 95%RH @ 60°C (non-Condensing)	Over Current Protection	• 15A	
Environment Operating Temperature Intel® Processor N97 / Atom® x7425E: -40°C to 70°C Intel® Core™ i3-N305: -40°C to 60°C PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) With extended temperature peripherals; Ambient with air flow According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature -40°C to 70°C Relative Humidity Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) Intel® Core™ i3-N305: 95%RH @ 60°C (non-Condensing)	CMOS Battery Backup	SuperCap Integrated for CMOS Battery Maintenance-free Operation	
Operating Temperature • Intel® Processor N97 / Atom® x7425E: -40°C to 70°C • Intel® Core™ i3-N305: -40°C to 60°C * PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) * With extended temperature peripherals; Ambient with air flow * According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature • -40°C to 70°C Relative Humidity • Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) • Intel® Core™ i3-N305: 95%RH @ 60°C (non-Condensing)	MTBF	• 306,338 Hours - Database: Telcordia SR-332 Issue3, Method 1, Case 3	
Intel® Core™ i3-N305: -40°C to 60°C * PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) * With extended temperature peripherals; Ambient with air flow * According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14 Storage Temperature -40°C to 70°C Relative Humidity Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) Intel® Core™ i3-N305: 95%RH @ 60°C (non-Condensing)	Environment		
Relative Humidity Intel® Processor N97 / Atom® x7425E: 95%RH @ 70°C (non-Condensing) Intel® Core™ i3-N305: 95%RH @ 60°C (non-Condensing)	Operating Temperature	 Intel® Core™ i3-N305: -40°C to 60°C * PassMark Burn-In Test: 100% CPU, 2D/3D Graphics (without thermal throttling) * With extended temperature peripherals; Ambient with air flow 	
Intel® Core™ i3-N305: 95%RH @ 60°C (non-Condensing)	Storage Temperature	• -40°C to 70°C	
Shock • Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)	Relative Humidity		
	Shock	Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)	



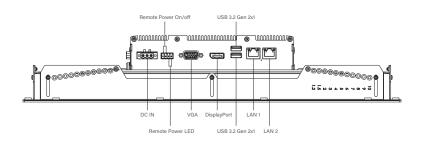
Vibration	 Operating, 1 Grms, 10-500 Hz, 3 Axes (w/ SSD, according to IEC60068-2-6) Operating, 5 Grms, 5-500 Hz, 3 Axes (w/ SSD, according to IEC60068-2-64)
EMC	• CE, UKCA, FCC, ICES-003 Class A • EN61000-6-4, EN61000-6-2 @ DC-input 24V
ЕМІ	CISPR 32 Conducted & Radiated: Class A EN/BS EN 55032 Conducted & 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: 10 V/m EN/IEC 61000-4-4 EFT: AC Power: 2 kV; DC Power: 1 kV; Signal: 1 kV EN/IEC 61000-4-5 Surges: AC Power: 2 kV; Signal: 1 kV EN/IEC 61000-4-6 CS: 10V (**Compliant with the standard when utilizing shielded ethernet cable.) EN/IEC 61000-4-8 PFMF: 50 Hz, 30A/m EN/IEC 61000-4-11 Voltage Dips & Voltage Interruptions: 1 cycles at 60 Hz
Safety	• UL, cUL, CB, IEC, EN 62368-1

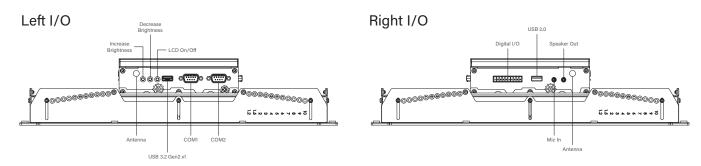
CO-119C/P1301 External Layout

Front I/O

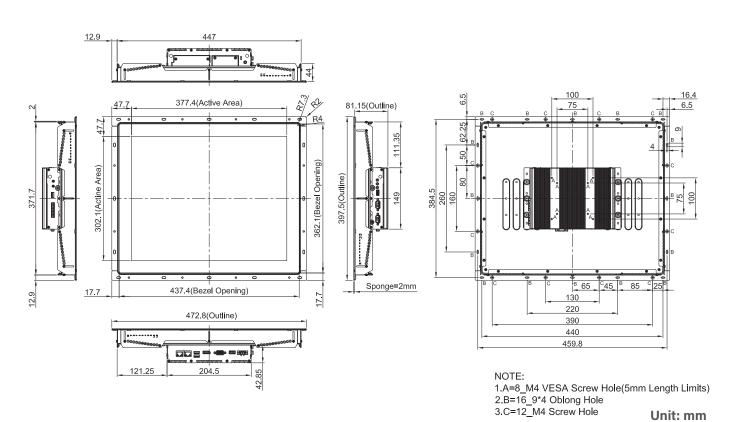


Rear I/O





CO-119C/P1301 Dimensions





Ordering Information

Available Models

Model No.	Description
CO-119C-R10/P1301-N97-R10	19" TFT-LCD SXGA 5:4 Open Frame Display Modular Panel PC with Intel® Processor N97 Quad Core Slim Embedded Computer and P-Cap. Touch
CO-119C-R10/P1301-X7425E-R10	19" TFT-LCD SXGA 5:4 Open Frame Display Modular Panel PC with Intel® Atom® x7425E Quad Core Slim Embedded Computer and P-Cap. Touch
CO-119C-R10/P1301-i3-R10	19" TFT-LCD SXGA 5:4 Open Frame Display Modular Panel PC with Intel® Core i3-N305 Octa Core Slim Embedded Computer and P-Cap. Touch

Model Configuration

	CO-119C	P1301-N97	P1301-X7425E	P1301-i3
CO-119C/P1301-N97	V	V		
CO-119C/P1301-X7425E	V		V	
CO-119C/P1301-i3	V			V

V : Compatible

Package Checklist

• CO-119C/P1301 Series Panel PC x 1	Power Terminal Block Connector x 1
Thermal Pad (for CPU Thermal Block) x 1	Remote Function Terminal Block Connector x 1
• Screw Pack x 2	DIO Terminal Block Connector x 1
• M.2 Key B Type 3052 to 3042 Adapter Bracket x 1	

Optional Modules and Accessories

Model No.	Description
CFM-IGN101	CFM Module with Power Ignition Sensing Control Function, 12V/24V Selectable (43 x 36 mm)
CFM-PoE02	CFM Module with PoE Control Function, Individual Port 25.5W
URM01	Universal 19" Rack Mount Kit for Industrial Panel PC & Industrial Monitor
GST60A12-CIN1	Adapter AC/DC 12V 5A 60W, GST60A12-CIN1, wide temp(-30°C ~ +70°C)
GST120A24-CIN	Adapter AC/DC 24V 5A 120W, GST120A24-CIN, wide temp (-30°C ~ +70°C), level VI