

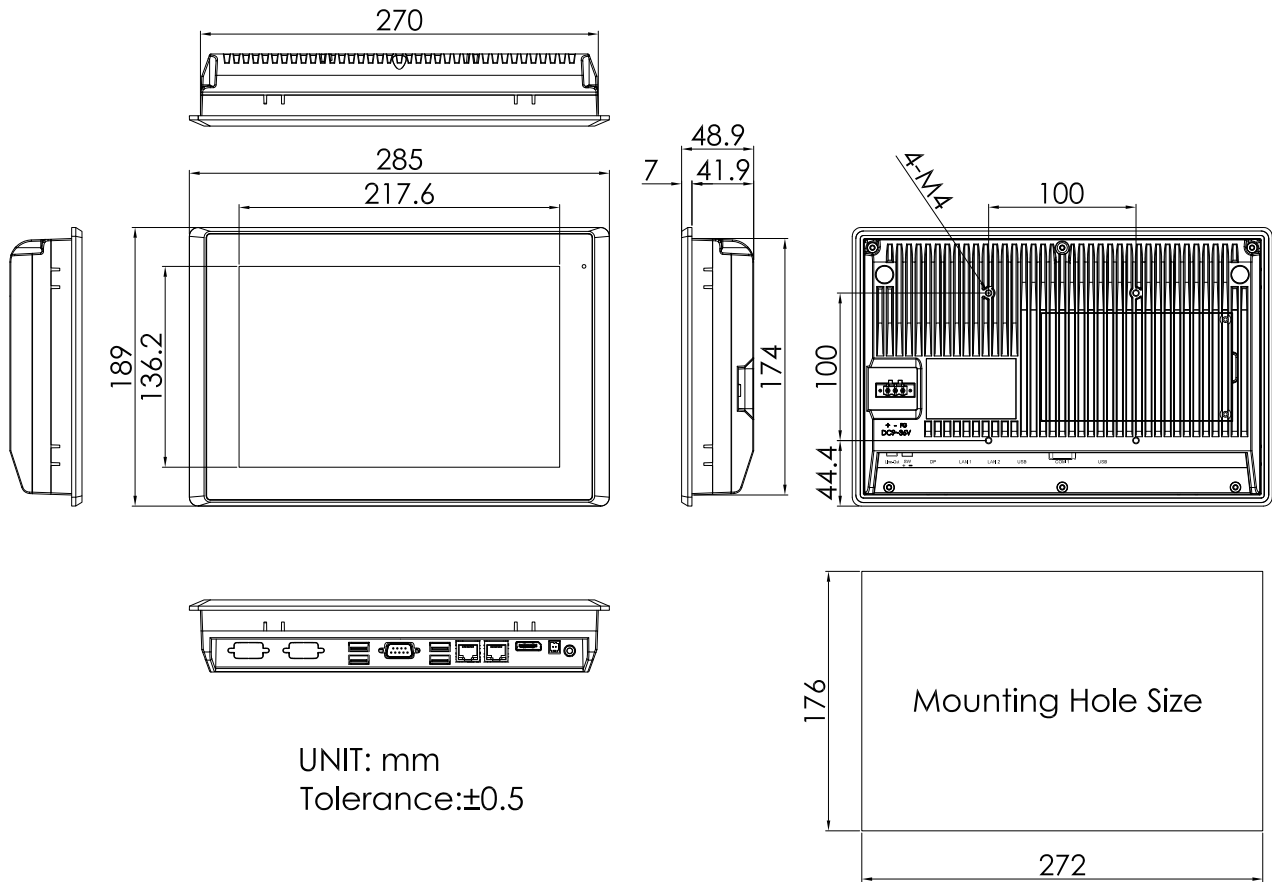
Features

- 10.1" Industrial Compact Size Panel PC
- Intel Celeron J6412 Processor
- 1 x 260-pin SO-DIMM DDR4 slot, up to 32GB 3200MHz
- Flat Front Panel Touch Screen with IP66 Front Bezel
- Support Expansion via Full-size Mini-PCIe and M.2 slots
- Support TPM2.0 Hardware Security
- DC 9~36V Wide Range Power Input
- High Brightness 1,000 nits for option

Specifications

System		
CPU	Intel Celeron J6412 Processor (2.0 GHz, 1.5MB L2 cache)	
System Chipset	SoC	
Memory	1 x 260-pin SO-DIMM up to 32GB DDR4 3200MHz	
TPM	TPM 2.0	
I/O Port		
USB	2 x USB 3.2 Gen2 type A 2 x USB 2.0 type A	
Serial / Parallel	1 x RS-232/422/485 (Default RS-232; select via BIOS)	
Audio	1 x Line-out	
LAN	2 x 2.5GbE LAN RJ-45 (I226)	
DP	1 x DP, support DP++	
Power	1 x 3-pin Terminal Block Connector 1 x 2-pin Power Switch Connector	
Option	VESA Stand 4G LTE/Wi-Fi/Bluetooth 4 x USB 2.0 type A 4 x USB 2.0 type A + 1 x Mini-PCle + 1 x SIM slot 2 x COM (RS-232) 1 x COM (RS-232) + 2 x USB 2.0 2 x COM (RS-232) + 1 x Mini-PCle slot + 1 x SIM slot 2 x COM (RS-422/485, isolated) 2 x CAN 1 x LAN + 2 x USB 2.0 type A 1 x 2W Speaker 1 x Auto Dimming 1 x LAN(25W non-isolated PoE PD) + 2 x USB 2.0 type 1 x LAN(25W isolated PoE PD) + 2 x USB 2.0 type A 1 x Backup Battery 21W/10.8V/1.95Ah(3S1P) Series, speaker or backup battery only be in either one	
Storage Space		
Storage	1 x M.2 B-Key slot (Support SATA3; 2242/2280, Default 2242)	
Expansion		
Onboard Expansion Bus	1 x Mini-PCle slot (full size)/ 1 x M.2 E-key/ 1 x Nano SIM Card holder	
Dispalay	Standard	Optional High Brightness
Display Type	10.1" TFT-LCD	10.1" TFT-LCD
Max. Resolution	1280 x 800	1280 x 800
Max. Color	16.7M	16.2M
Luminance (cd/m ²)	350	1000
View Angle	170(H) / 170(V)	170(H) / 170(V)
Contrast	800:1	1300:1
Backlight Lifetime	30,000 hrs	50,000 hrs
Touch Screen		
Type	Resistive Touch (for R Model) Projected Capacitive Touch (for P Model)	
Interface	USB	
Light Transmission(%)	Resistive Touch: 80% / Projected Capacitive Touch: 90%	

Dimensions



Power	
Power Input	DC 9~36V
Power Consumption	34W
Mechanical	
Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, VESA 100 x 100
Dimensions (WxHxD)	285 x 189 x 48.9 mm
IP Rating	IP66 Compliant Front Bezel
Net Weight	1.85 kg
Environmental	
Operating Temperature	0~50°C / -20~60°C (option)
Storage Temperature	-30~70°C
Humidity	10 to 95%@ 40°C, non-condensing
Certificate	CE/FCC class B
Operating System Support	
Windows 10 IoT, Windows 11 IoT	
Ordering Information	
PLP-A5810JR	10.1" WXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.
PLP-A5810JP	10.1" WXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Projected Capacitive touch,, 9~36V DC input with adapter, Aluminum chassis.
PLP-A5810JRH	10.1" high brightness WXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.
PLP-A5810JPH	10.1" high brightness WXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Projected Capacitive touch,, 9~36V DC input with adapter, Aluminum chassis.

*PoE limitation: CPU turbo off, rear I/O no loading, 70% LED backlight, PSE cable length < 50m