



Features

- 7" 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-PCle 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

Storage Space	
Storage	1 x M.2 B-Key slot; (Support SATA3; 2242)

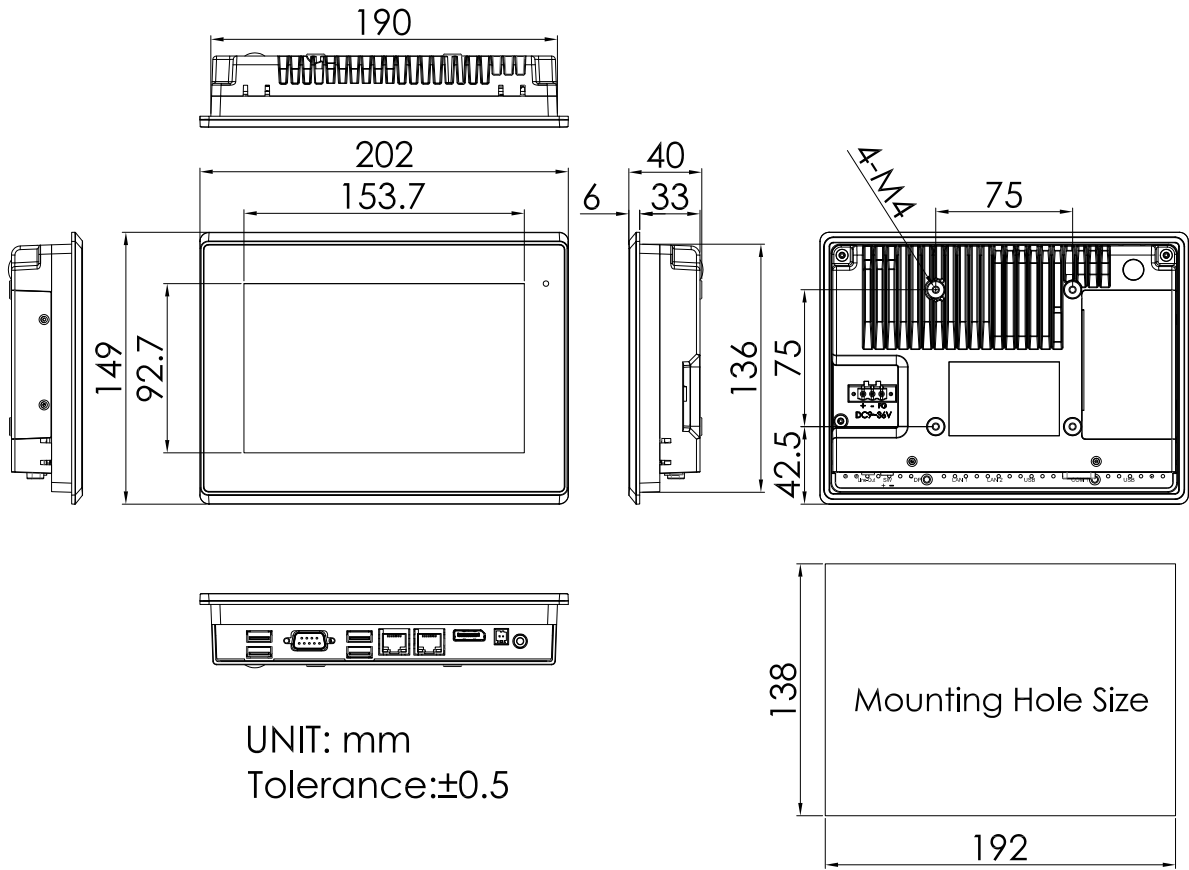
Expansion	
Onboard Expansion Bus	1 x Mini-PCle slot (full size) 1 x M.2 E-key 1 x Nano SIM Card holder

Dispalay	Standard	Optional High Brightness
Display Type	7" TFT-LCD	7" TFT-LCD
Max. Resolution	800 x 480	800 x 480
Max. Color	262K	262K
Luminance (cd/m²)	350	1000
View Angle	160(H) / 160(V)	160(H) / 160(V)
Contrast	1000:1	1000:1
Backlight Lifetime	40,000 hrs	40,000 hrs

Touch Screen	
Type	Resistive Touch (for BR Model) Projected Capacitive Touch (for BP Model)
Interface	USB
Light Transmission(%)	Resistive Touch: 80% Projected Capacitive Touch: 90%

Power	
Power Input	DC 9~36V
Power Consumption	Standard: 30W

Dimensions



Mechanical	
Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, VESA 75 x 75
Dimensions (WxHxD)	202 x 149 x 40 mm
IP Rating	IP66 Compliant Front Bezel
Net Weight	1.1 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/UL

Operating System Support	
Windows 10 IoT, Windows 11 IoT	

Ordering Information	
PLP-A5807-J	7" WVGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.
PLP-A5807-JP	7" WVGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.
PLP-A5807-JH	7" high brightness WVGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.
PLP-A5807-JPH	7" high brightness WVGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.