

PLP-P2F179

17" Fanless Configurable Panel PC with 14th/13th/12th Gen. Intel® Core™ processors



with Stainless Steel front bezel



with Aluminum front bezel



Stainless Steel bezel

Aluminum bezel

Open Frame

Specifications

System	
CPU support	Intel® Core™ i9 14901E(TE)/14900(T)/13900TE Intel® Core™ i7 14701E(TE)/14700(T)/13700E(TE)/12700E(TE) Intel® Core™ i5 14501E(TE)/14500(T)/13500E(TE)/12500E(TE) Intel® Core™ i3 14100(T)/13100E(TE)/12100E(TE) Intel® Pentium G7400E(TE) Intel® Celeron G6900E(TE)
Chipset	Intel® Q670E / H610E
Memory	2 x DDR5 4800/5600 MHz SODIMM (up to 64GB) non-ECC Q670E:
Storage	2 x 2.5" SATA (supports RAID 0/1)
	1 x M.2 2280 M key H610E:
Expansion Slot	1 x 2.5" SATA
	1 x M.2 3042/3052/2280 B key 1 x M.2 3042/3052 B key 1 x M.2 2230 E key 1 x Protech-defined Expansion Side I/O: 4 x COM / 4 x LAN
IP Rating	IP65 (for front panel only)
Watchdog	1~255 seconds watchdog timer selectable
Power Input	DC-in 12-24V
System Weight	10.5 kg
Dimensions (W x H x D)	418.2 x 350.6 x 121.5 mm (Open Frame) 430.2 x 362.6 x 121.5 mm (with Stainless Steel / Aluminum bezel)
Mount Type	Wall Mount / VESA 75 / Panel Mount
Certifications	CE, FCC
Operating System	Windows 11 IoT Enterprise LTSC 2024 Windows 10 IoT Enterprise LTSC 2021
Display & Touch	
LCD	17" Flat TFT-LCD
Resolution	1280 x 1024
Brightness	350 nits (optional 1,500 nits)
Touchscreen	Projected capacitive / 5-wire analogue resistive
Front Bezel	Stainless Steel / Aluminum / Open Frame
I/O Ports	
USB	Q670E: 6 x USB 3.2, 1 x USB 3.2 Type-C H610E: 4 x USB 3.2, 2 x USB 2.0
Serial Ports	6 x COM (RS-232/422/485)
Ethernet	Q670E: 4 x 2.5GbE LAN (Intel® I226-IT) H610E: 2 x 2.5GbE LAN (Intel® I226-IT) supports Wake-on-LAN and PXE PoE IEEE802.3at, up to 30W (optional)
Display output	Q670E: 1 x HDMI™, 2 x DP H610E: 1 x HDMI™, 1 x DP
Digital I/O	16-bit DIO (8 DI / 8 DO)
Audio	Line-in / Line-out / Mic-in
Environment	
Operating Temperature (Ambient with airflow)	-20°C ~ 50°C (-4°F ~ 122°F) with wide temperature SSD
Storage Temperature	-40°C ~ 80°C (-40°F ~ 185°F)
Storage Humidity	20% ~ 90%



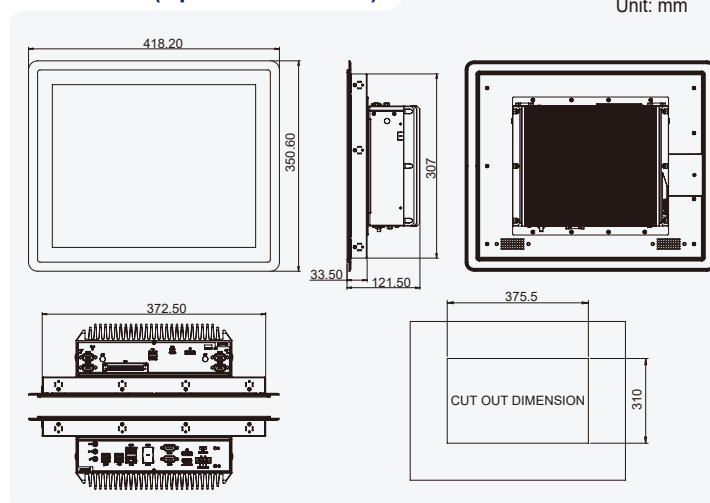
Features

- Compatible with 14th/13th/12th Gen. Intel® Core™, Pentium®, and Celeron® processors
- Optional Intel® Q670E/H610E PCH
- Front bezel options include stainless steel, aluminum, or open frame for diverse applications
- Optional high-brightness LCD
- 6 x USB Type-A, 1 x USB Type-C (Q670E), 6 x COM, 1 x DIO
- 4 x LAN ports (Q670E) with optional PoE
- Expansion Side I/O for additional 4 x COM or 4 x LAN
- Wide-ranged voltage DC 12V-24V input
- Secure platform with TPM 2.0 support
- Fanless design

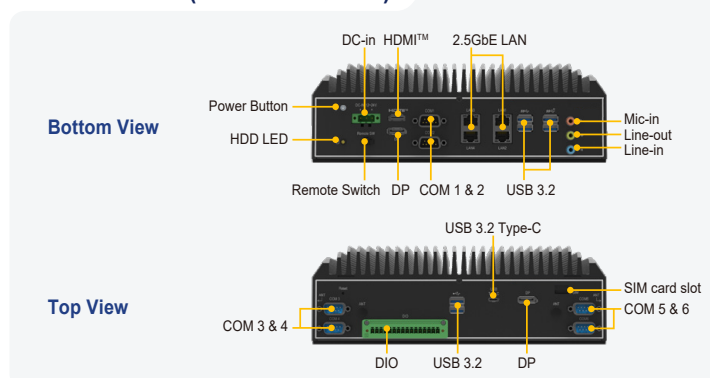
Applications

- Factory Automation
- Process Monitoring
- Facility Management
- Machine Control
- SCADA Systems
- Kiosk / Retail

Dimensions (Open Frame mode)



I/O Connectors (based on Q670E)



* All information contained in this document is subject to change without prior notice. Please log on www.antcomputer.com to acquire latest information. For detail mechanics drawing, please contact our sales.