

IPC-SP2N208



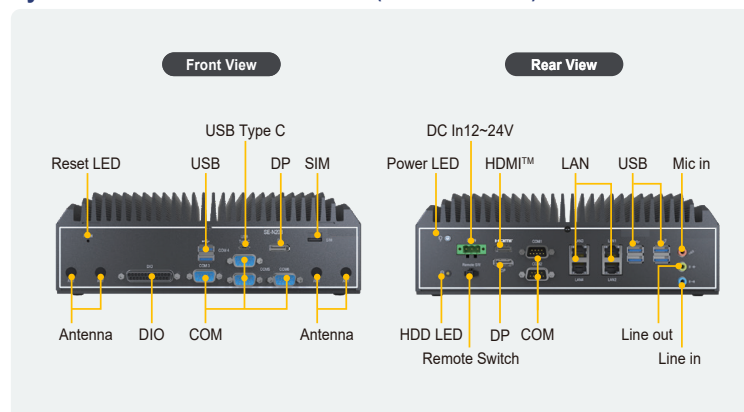
14th/13th/12th Gen. Intel® Core™ Processor Fanless Embedded PC



Features

- Supporting 14th/13th/12th Gen. Intel® Core™ i9/i7/i5/i3 & Pentium®/Celeron® Processor
- Optional Intel® Q670E/H610E PCH
- 4 x LAN ports (Q670E) with PoE as option
- 6 x USB Type-A, 1 x USB Type-C (Q670E), 6 x COM, 1 x DIO
- Expansion Side I/O for extra 4 x COM or 4 x LAN
- Wide-ranged voltage DC In 12V~24V
- Supporting remote switch
- Secure platform with TPM 2.0 support
- Fanless design

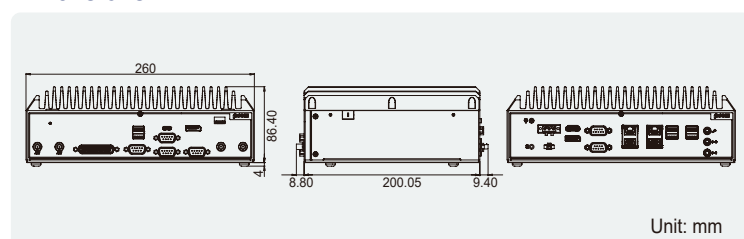
System Front View & Rear View (based on Q670E)



Optional Side I/O Expansion



Dimensions



Specifications

System	
CPU Support	Intel® Core™ i9-12900TE/13900TE/14900T Intel® Core™ i7-12700TE/13700TE/14700T Intel® Core™ i5-12500TE/13500TE/14500T Intel® Core™ i3-12100TE/13100TE/14100T Intel® Pentium® Gold G7400TE Intel® Celeron® G6900TE
Memory Support	2 x DDR5 5600 SO-DIMM socket (up to 64GB)
Storage	2 x 2.5" SATAIII Drive Bay (supporting RAID 0/1 with Q670E) 1 x M.2 2280 M key (PCIe Gen4 x4) (Q670E)
Expansion Slots	1 x M.2 2230 E key (for Wi-Fi 5 & Wi-Fi 6 / BT module) 1 x M.2 3042/3052/2280 B key 1 x M.2 3042/3052 B key 1 x BTB Connector 1 x Protech-defined Expansion Side I/O: 4 x COM / 4 x LAN
Power Input	DC In 12V~24V
Mounting	Wall Mount / DIN Rail
Dimensions (W x H x D)	260 x 86.4 x 200.05 mm
Operating System	Windows® 11 IoT Enterprise LTSC 2024 Windows® 10 IoT Enterprise LTSC 2021 Linux (Ubuntu 22.04 LTS)
Certifications	FCC, CE
I/O Ports (Front Side)	
USB	2 x USB 3.2 Gen2x1 Type-A 1 x USB 3.2 Gen2x2 Type-C (Q670E)
Serial Ports	4 x COM ports (COM3/4/5/6) D-Sub 9, RS-232/422/485 selectable under BIOS
Digital I/O	1 x DIO (8 DI / 8 DO), D-Sub 25
SIM Slot	1 x Nano SIM Slot with Tray
Display	1 x DisplayPort (Q670E) / Max. Resolution 4K
Antenna Holes	4 x Antenna holes
I/O Ports (Rear Side)	
Power Input	1 x 3-pin terminal block DC-In 12V~24V power connector
Serial Ports	2 x COM ports (COM1/2) D-Sub 9, RS-232/422/485 selectable under BIOS
Display	1 x DisplayPort / Max. Resolution 4K 1 x HDMI™ / Max. Resolution 4K
LAN	Q670E: 4 x RJ45 2.5GbE I2261T H610E: 2 x RJ45 2.5GbE I2261T PXE and WOL supported with PoE IEEE802.3at (30W) as option
USB	2 x USB 3.2 Gen2x1 Type-A 2 x USB 3.2 Gen1x1 Type-A
Power Button	1 x Power Button with LED Indicator
Remote Switch	1 x 2-pin Remote Switch
LED Indicator	1 x HDD LED
Audio	1 x Mic In phone jack 1 x Line In phone jack 1 x Line Out phone jack
Environment	
Operating Temp. (Ambient with airflow)	-20°C~60°C (without PoE) -20°C~60°C (with PoE)
Storage Temp.	-40°C~85°C (-40°F~185°F)
Humidity	5% to 95% (non-condensing)

Applications

- Hospitality • Retail • Gaming • Logistics • Manufacturing • Edge AI • Transportation



* 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.