

FPC-9207S-P6-G1

Ruggedized Edge AI Computing Platform supporting Nvidia® L4 Tensor Core GPU Card, with Intel® 14th Gen Core™ i9/i7/i5/i3 Processor with 6 GbE PoE



Features

- Intel® 14th Gen Core™ 35W CPU
- Wide range DC power input (19~36V)
- Supports Nvidia® L4 Tensor Core GPU Card
- Four independent displays support (HDMI x1 + VGA x1 and DP x2)
- Power on/off delay control / configurable ignition power control
- 6 x 802.3af Gigabit PoE ports
- 1 x mPCIe for optional Wi-Fi/LTE/GPS module
- 1 x M.2 E key (2230) for Wi-Fi/BT
- 1 x M.2 B Key (2242/3042/3052) for optional 5G module
- TPM 2.0 support

System

CPU	Intel® 14 th Gen Core™ i9/i7/i5/i3 processor in LGA1700 socket (Max. 35W CPU)
Memory	2 x 262-pin DDR5 SO-DIMM sockets, supporting 5600 MHz SDRAM up to 96GB
Chipset	Intel® Q670E
Graphics	Intel® UHD Graphics 770
LAN Chipset	2 x Intel® WGI226LM 2.5GbE LAN 1 x Intel® WGI210AT GbE controller 1 x Intel® WGI219LM GbE controller 6 x Intel® WGI210AT PCIe controller for PoE
Watchdog Timer	1~255 levels reset
TPM	Support dTPM 2.0

I/O

Serial Port	2 x RS-232/422/485 configurable via DB-9 connectors (default RS-232)
USB Port	8 x USB 3.2 Gen2 (10 Gbps) ports 2 x USB 3.2 Gen1 (5 Gbps) ports Internal USB dongle (Optional)
LAN	2 x RJ-45 ports for 2.5GbE 2 x RJ-45 ports for GbE 6 x RJ-45 ports for GbE, supporting 802.3af PoE
Video Port	1 x VGA, resolution up to 1920 x 1200 2 x DP1.4a, resolution up to 7680 x 3840 @60Hz 1 x HDMI 2.1, resolution up to 7680 x 3840 @60Hz
Selectable Port	1 x DB25 connector for DIO (8 in/8 out) port or LPT port (either one, default is DIO)
Audio	Mic-in/Line-out
Expansion Bus	1 x full-size Mini-card interconnected with SIM card for optional Wi-Fi/LTE/GPS module (PCIe x1 + USB2.0) 1 x M.2 B key (2242/3042/3052) w/ (PCIe x1 + USB3.0/2.0) interconnected with SIM for 5G / LTE expansion or for storage 1 x M.2 E key (2230) with PCIe x1 + USB2.0, for Wireless 1 x PCIe x16 slot + PCIe x8 slot (via x4 lanes)

Environmental

Operating Temp.	-20 ~ 50°C (-4 ~ 122°F), ambient w/ air flow (w/ 35W TDP CPU, fanless)
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 50°C (non-condensing)
Vibration	Comply with MIL-STD-810G, Method 514.6
Shock	Comply with MIL-STD-810G, Method 516.6, Table 516.6-II, 40G

Qualification

Certification	CE, FCC Class A
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Power Requirement

Power Input	DC 19~36V input (w/ 4-pin DC input terminal block, combining remote power on/off switch)
Ignition Switch	2-pin terminal block: IGN, GND
Power Consumption	245W (typical)

Storage

Type	1 x 2.5" SSD (outside accessible) 1 x M.2 M key (PCIe Gen4 x4 + SATA)
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Mechanical

Construction	Aluminum alloy
Mounting	Wall-mount
Weight	7 kg (15.43 lb)
Dimension (W x H x D)	225 x 120 x 292 mm (8.86" x 4.72" x 11.50")

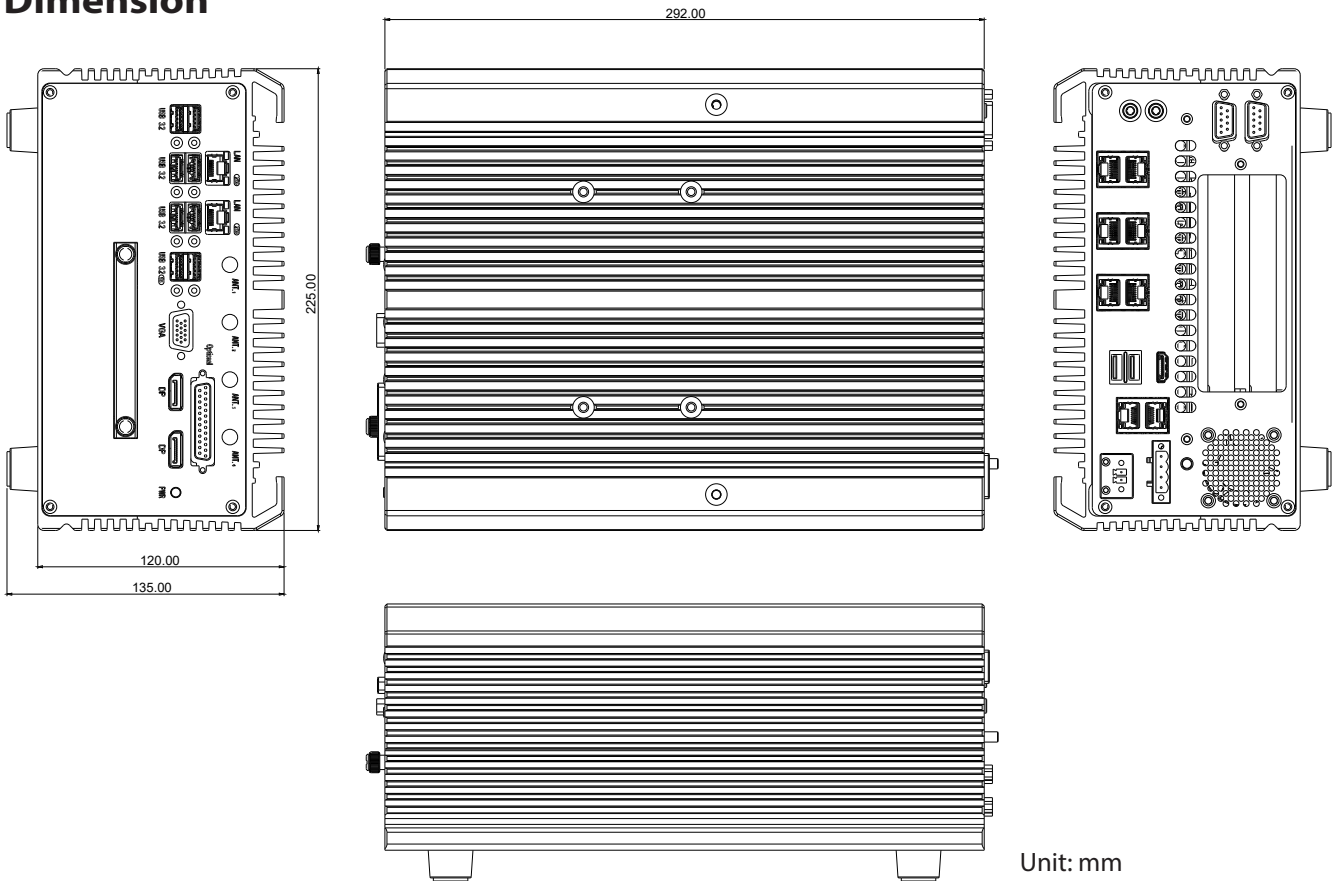
OS Support

Windows 10 IoT / Windows 11 IoT
Linux (Ubuntu 22.04)

Ordering Information

FPC-9207S-P6-G1	Ruggedized Edge AI Computing Platform supporting L4 Tensor Core GPU Cards, Intel® 14 th Gen Core™ Processor with 6 GbE PoE (Up to 35W TDP CPU)
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Dimension



Standard Accessories

FAN-4020	Fan kit (40 x 40 x 20 mm, L=250mm, 2P)
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Optional Accessories

PAC-280W6C-MW	280W AC/DC adapter kit w/ 2-pin/ 3-pin/ 4-pin block
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WMK-7000	Wall-mount kit for FPC-7XXX Series
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Optional Configuration (CTOS* Kit)

2.5" SATA SSD	2.5" SATA III 256GB/512GB/1TB SSD
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WiFi-RT1550	Realtek RTL8852CE M.2 2230 Wi-Fi 6E + BT 5.4 Module Kit (w/ 2 x 30cm RF Cable)
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ANT-T15	1 x Wi-Fi 6E Tri-band 2.4G/5G/6G Dipole Antenna Kit
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Core™ i9-14900T	Intel® 14 th Gen Core™ i9-14900T processor, 36M, 1.1G
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Core™ i7-14700T	Intel® 14 th Gen Core™ i7-14700T processor, 33M, 1.3G
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Core™ i5-14500T	Intel® 14 th Gen Core™ i5-14500T processor, 24M, 1.7G
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Core™ i3-14100T	Intel® 14 th Gen Core™ i3-14100T processor, 12M, 2.7G
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MK-5C-8G/16G/32G	DDR5-4800 8GB/16GB/32GB SDRAM DIMM kit
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*CTOS means Configure-to-Order Service.