Blue Line Fanless FPC-6800



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Highlights

Blue Line Fanless FPC-6800 supports DIN-RAIL solution with front I/O. In the least possible space, you get an efficient and modern industrial computer for 24/7 operation in many types of environments. High performance industrial pc with a large range of options and configurations.
Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry.

• 9th generation Intel Core i3 / i5 / i7 / i9 processor

• Supports DIN-RAIL and Wall mount

• Supports 2 x 2.5” drives w. RAID

• Option for PCIe x16, PCIe x4

• 2 x COM, 4 x USB, 2 x GbE

• Windows 10 / 11

• Wide temp -20°C to 60°C

• Wide range DC input (9 to 36V)

• Fanless operation

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• Build-to-order configured to your requirements

Specifications

Model Type

Fanless PC

Form Factor

Compact with front I/O only

Construction

Aluminum heatsink and black steel chassis

Cooling

Model 1	Fanless
Model 2 & 3	Fanless (add-on GPU require fan)

Environment

Operating temperature	-20°C to +60°C ambient w/ air flow (with wide temp MEM / SSD) Only +50°C ambient w/ air flow for Core i7 CPU
Storage temperature	-40°C to +85°C
Humidity	10% to 95% @40°C non-condensing
Vibration	1G / 5 to 500Hz (random) / operation
Shock	15G peak acceleration(11 msec. duration) / operation

Certification

CE / FCC class A

Processor

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9th generation Intel Core i3 / i5 / i7 / i9 processor (up to 35W TDP)

Chipset

Intel Q370 chipset

RAM

Up to 64GB, 2 x 260-pin DDR4 SO-DIMM 2666 MHz SDRAM

Storage

2 x 2.5" SSD / HDD drive bays with easy access

Supports RAID 0/1

Front Input / Output

4 x USB 3.2 generation 1 type A

2 x GbE RJ45 port by Intel I210AT and I219LM

1 x RS-232/422/485 DB9 port - COM1

1 x RS-232 DB9 port - COM2

1 x VGA, 1 x HDMI

1 x 3-pin DC power input terminal, 1 x 2-pin power switch, 1 x power button with light

Option for I/O module (2 x GbE by Intel I211AT, 2 x USB 3.2, 8 x GPIO terminal block with 1 x 10pin with isolation)

Expansion

Model 1	1 x M.2 PCIe x4 or SATAIII M key 2280/2242
	1 x Mini PCIe full-size for optional WIFI / 3G / 4G / GPS / I/O expansion
Model 2	1 x M.2 PCIe x4 or SATAIII M key 2280/2242
	1 x Mini PCIe full-size for optional WIFI / 3G / 4G / GPS / I/O expansion
	1 x PCIe3.0 x4 slot, 1 x PCIe3.0 x16 slot *

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Model 3	1 x M.2 PCIe x4 or SATAIII M key 2280/2242 1 x Mini PCIe full-size for optional WIFI / 3G / 4G / GPS / I/O expansion 2 x PCIe3.0 x4 slot, 1 x PCIe3.0 x16 slot*
* Maximum add-on expansions card size	H140 x L190mm

Operating System

Windows 10 / 11
Windows 10 IoT Enterprise
Linux Kernel 4.15 (Ubuntu 16.04.4)

Power Supply

+9V to +36V DC-in by 3-Pin terminal block

Power Consumption

Model 1 (w/o I/O card)	Max 56W
Model 2 & 3	Max 150W

Dimension and Weight

Model 1 (without DIN or wall mount)	H 190 x W 77 x D 222mm	3.4kg (gross weight NNkg)
Model 2 (without DIN or wall mount)	H 190 x W 127 x D 222mm	4.2kg (gross weight NNkg)
Model 3 (without DIN or wall mount)	H 190 x W 168 x D 222mm	4.5kg (gross weight NNkg)

Mounting

DIN-RAIL
Wall mount

Accessories Included

Wall mount kit
2 x key lock for 2.5" SSD / HDD drive bays

Accessories Optional

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DIN-RAIL kit (model 1 one pcs, model 2 & 3 two pcs)

Option I/O modul (2 x GbE by Intel I211AT, 2 x USB 3.2, 8 x GPIO terminal block with 1 x 10pin with isolation)

GPS modul + antenna kit

WIFI / Bluetooth modul + antenna kit

4G/LTE modul + antenna kit

Add on card for model 2 & 3: LAN, PoE, Lighting control, Digital I/O, COM, CAN etc. (Please contact sales for support)

Add on GPU card for model 2 & 3: Support up to 75W TDP with fan (please contact sales for support)

180W AC/DC adapter kit w/3-pin block

Dust cover kit for I/O port

Smart Keeper Professional for physical I/O port security

Warranty and After Sales Support

Standard 1 year (option for 3 years)

Ordering Information

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