

# 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 i5 / i7 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
- Build-to-order configured to your requirements



**BLUE LINE**  
IT for Demanding Environments

- has more than 30 years experience
- delivers reliable IT solutions for demanding environments
- builds compact and high performance solutions
- focuses on long duration, 24/7-operation, and ruggedness
- is ISO 9001:2015-certified
- is known for providing the best assistance and services in all phases.

# Blue Line Fanless FPC-6800

## 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

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 key M or B 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 key M or B 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 *
Model 3	1 x M.2 PCIe x4 or SATAIII key M or B 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



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## 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

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

## Warranty and After Sales Support

Standard 1 year (option for 3 years)

## Ordering Information

487

