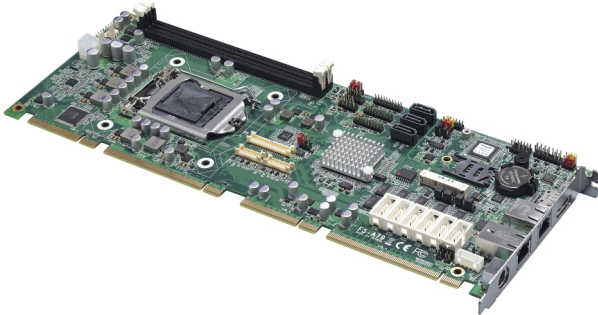


# PICMG 1.3 Full-size CPU card

## 8th Generation Intel® Core™ Desktop Processor

### FS-A79



### Features

- Support 8th Generation Intel® Core™ Desktop Processors
- 2 x DDR4 DIMM 2666 MHz up to 32GB
- Integrated VGA, DVI, DisplayPort, LVDS for Triple display support
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® Gigabit LAN,
- 1 x MiniPCIe, 3 x SATA3, 1 x PS/2, 1 x LPC, 1 x GPIO
- 2 x RS232/RS422/RS485, 4 x RS232
- 6 x USB3.1 Gen2, 4 x USB2.0
- Support Watchdog Timer
- Support 4K resolution
- Need Backplane from Standard 24-pin ATX power supply (20-pin is compatible) and P4 4-pin 12V(Onboard)

### System

<b>Processor</b>	Support 8th Generation Intel® Core™ Desktop Processors, FCLGA1151 package (Support up to 65W TDP)
<b>Chipset</b>	Intel® Q370
<b>Memory</b>	2 x DDR4 DIMM 2666 MHz up to 32GB, Support Non-ECC, unbuffered memory (i3, Pentium, Celeron CPU support 2400 MHz only)
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1 min/s ~ 255 min/s
<b>Real Time Clock</b>	Chipset integrated RTC with onboard lithium battery

<b>Expansion</b>	1 x MiniPCIe (support mSATA) 1 x SIM slot 4 x PCI slot 1 x PCIe X16 slot 1 x PCIe X4 slot or 4 x PCIe X1 slot (optional)
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### Graphics

<b>Processor</b>	Intel® UHD Graphics
<b>Display Interface</b>	2 x DVI, 1 x DisplayPort, 1 x VGA, 1 x LVDS (Note1)

### LAN

<b>Chip</b>	1 x Intel® I219-LM Gigabit PHY LAN (Support Intel® AMT 12) 1 x Intel® I210-AT Gigabit LAN
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### I/O

<b>Serial ATA</b>	3 x SATA3
<b>Audio</b>	Realtek ALC888S HD Audio
<b>Internal I/O</b>	3 x SATA3, 4 x RS232, 2 x RS232/422/485, 4 x USB2.0, 6 x USB3.1 Gen2, 1 x LVDS, 1 x LCD inverter, 1 x LPC, 1 x GPIO, 1 x Audio, 1 x SMBus, 1 x VGA
<b>Rear I/O</b>	1 x DisplayPort, 2 x LAN, 1 x PS/2

### Mechanical & Environmental

<b>Power Requirement</b>	Need Backplane from Standard 24-pin ATX power supply (20-pin is compatible) and P4 4-pin 12V(Onboard)
<b>Size</b>	338mm x 126mm (L x W)
<b>Temperature</b>	Operating within 0°C~60°C (32°F~140°F) Storage within -20°C~80°C (-4°F~176°F)
<b>Relative Humidity</b>	10%~90%, non-condensing

### Ordering Code

**FS-A79G201:** Art. N° 157264 8th Gen Intel® Core™ Desktop Processor, support LVDS, VGA, DVI, DP, 4 x PCI, 1 x PCIe X16, 4 x PCIe X1

FS-A79G204-ALC262 Art. N° 161138 1x PCIe x4, with ALC262 Audio

FS-A79G204-ALC888S Art. N° 165989 1 x PCIe x4, with ALC888S Audio

**Note1:** Onboard 18/24-bit single/dual channel +3.3V/ +5V/ +12V LVDS