

# PPC-FW19C-Q370

18.5" Intel® Coffee Lake panel PC



## Features

- » 18.5" Panel PC with 8th Generation LGA 1151 Intel® Core™ i7/i5/i3 and Pentium® processor
- » Four hot-swappable and accessible HDD drive bays, support RAID 0/1/5/10
- » Two PCIe 3.0 by 4 and two PCIe 3.0 by 8 slots
- » Dual M.2 2280 PCIe Gen 3.0 x4 NVMe™ SSD support
- » QTS-Gateway support

## Specifications

|                                 |  |
|---------------------------------|--|
| <b>Display</b>                  |  |
| Backlight MTBF(hrs)             | 50000  |
| Brightness(cd/m2)               | 400  |
| Contrast Ratio                  | 1000:1   |
| LCD Size                        | 18.5"  |
| Max Resolution                  | 1366x768   |
| <b>Environment</b>              |  |
| Humidity                        | 5% ~95%, non-condensing  |
| IP Level                        | IP66 compliant front panel                                       |
| Operating Temperature           | -20°C ~ 50°C (with SSD and TDP 65W processor)                    |
|                                 | -20°C ~ 40°C (with HDD or add-on cards without fan)              |
| Safety & EMC                    | CE, FCC  |
| Storage Temperature             | -30°C ~ 60°C   |
| <b>Expansion Slots</b>          |  |
| Expansion Slots                 | 2 x PCIe 3.0 by 8 (by 16 slot)                                   |
|                                 | 2 x PCIe 3.0 by 4 ( maximum card size supported: 68 mm x 167 mm) |
| <b>Form factor</b>              |  |
| Form factor                     | 8th Generation Intel Core™ i7/i5/i3 processors in the LGA 1151   |
|                                 | Intel® 300 Series Chipsets Q370                                  |
| <b>I/O Interface</b>            |  |
| Ethernet                        | Intel® I211AT Ethernet controllers                               |
| <b>Other Features</b>           |  |
| TPM                             | Support(2x10pin, P=2.54mm)                                       |
| <b>Physical Characteristics</b> |  |
| Color                           | Front frame: Cyan-blue (PSM 296C); Others: Black C               |
| Cutout Dimensions               | 447.8x267.2  |
| Dimensions (LxWxH) (mm)         | 470x290x121  |
| Mounting                        | Panel/Rack mount   |
| Net Weight                      | 8.5  |

| Power                       |   |
|-----------------------------|---|
| Power Supply                | AC input ATX power supply   |
|                             | 1. 250 W power supply   |
|                             | - Input: 115VAC~230VAC, 50/60Hz   |
|                             | - Output (max.): 3.3V@12A, 5V@14A, 12V@25A, -12V@0.3A,+5Vsb@3A                              |
|                             | 2. 350 W power supply (Build to Order)  |
|                             | - Input: 115VAC~264VAC, 50/60Hz   |
|                             | - Output (max.): 3.3V@14A, 5V@16A, 12V@29A, -12V@0.3A,+5Vsb@3A                              |
|                             | - Efficiency: Full load (100%) 87%, Typical load (50%) 90%, Light load (20%) 87%            |
| Storage                     |   |
| Storage                     | 4 x Hot-swappable SATA 6G/s HDD/SSD bay (support RAID 0/1/5/10)                             |
|                             | 2 x M.2 M-key (2280, PCIe 3.0 x4), support NVMe SSD   |
| System                      |   |
| Chipset                     | Intel® 300 Series Chipsets Q370   |
| Cooling method / System Fan | System fan  |
| CPU                         | 8th Generation LGA1151 Intel® Core™ i7/i5/i3 and Pentium® CPU                               |
| Memory Max.                 | Two 288-pin 2666/2400 MHz dual-channel unbuffered DDR4 SDRAM DIMM slots (system max. 64 GB) |
| Touch                       |   |
| Touch Controller            | EETI EXC3188  |
| Touch Screen                | 10-point Projected capacitive touch window, 6H<br>(Anti-UV, Anti-glare Surface)             |
| I/O Interface               |   |
| I/O Interface               | 1 x AT/ATX switch   |
|                             | 1 x HDMI™   |
|                             | 2 x LAN   |
|                             | 1 x Line out  |
|                             | 1 x Mic   |
|                             | 1 x Power Switch  |
|                             | 1 x Reset Button  |
|                             | 2 x RS-232  |
|                             | 6 x USB 3.0   |

## Ordering Information

|                             |  |
|-----------------------------|--|
| PPC-FW19C-Q370-i7/PC/25-R10 | 18.5" 400cd/m <sup>2</sup> 1366 x 768 AI modular Panel PC, Intel® Core™ i7-8700T Processor (6-core,12-thread,2.4 GHz) TDP 35W, two PCIe x4 and two PCIe x8 slots, four HDD bays, 250W PSU, R10         |
| PPC-FW19C-Q370-i5/PC/25-R10 | 18.5" 400cd/m <sup>2</sup> 1366 x 768 AI modular Panel PC, Intel® Core™ i5-8500T Processor (6-core, 6-thread, 2.1 GHz) TDP 35W, two PCIe x4 and two PCIe x8 slots, four HDD bays, 250W PSU, R10        |
| PPC-FW19C-Q370-i3/PC/25-R10 | 18.5" 400cd/m <sup>2</sup> 1366 x 768 AI modular Panel PC, Intel® Core™ i3-8100T Processor (4-core, 4-thread, 3.10 GHz) TDP 35W, two PCIe x4 and two PCIe x8 slots, four HDD bays, 250W PSU, R10       |
| PPC-FW19C-Q370-P/PC/25-R10  | 18.5" 400cd/m <sup>2</sup> 1366 x 768 AI modular Panel PC, Intel® Pentium® Gold G5400T Processor (2-core, 4-thread, 3.10 GHz) TDP 35W, two PCIe x4 and two PCIe x8 slots, four HDD bays, 250W PSU, R10 |

## Packing List

|            |              |
|------------|--------------|
| Power cord | HDD door key |
|------------|--------------|