

PSYS-508-Q470

Barebone system with 10th Generation Intel® Core™ i3/i5/i7/i9 based ATX board



PSYS 508 Q470 builds on Intel® Q470E chipset and takes advantages of 10th Generation Intel® Core™ i3/ i5/i7/i9 processors technologies that can support 4 x DDR4 memory and 6 x SATA Ports for storage. With the advantage of 600w 80 plus gold ATX PSU, will be a flexible platform for factory automation, AOI, surveillance application.

FEATURES

- Support 10th Generation Intel® Core™ i9/i7/i5/i3 processors
- Four U-DIMM support DDR4 DRAM up to 128GB
- Support two DP, one HDMI, one VGA display
- Support One M.2 B Key, One M.2 E Key, One M.2 M Key
- Support 1 x COM ports (1x RS-232/422/485)

ORDERING GUIDE

AS1-3384	(R).PSYS-508-Q470. 4U Rackmount Barebone System with Intel Core-i 10th MB & 600w PSU
-----------------	---

System

CPU	Supporting Intel® 10th -Gen Core™ i9/i7/i5/i3/Pentium/Celeron CPU (LGA1200 socket, Max 65W TDP)
BIOS	AMI uEFI BIOS (SPI ROM)
Memory	4 x U-DIMMs, max. 128GB, DDR4
Storage	6 x SATA 6.0 Gb/s ports, Supports RAID 0/1/5/10
Watchdog Timer	Yes
TPM	1 x SPI TPM header
Expansion	1x M.2 E key, type 2230 support PCIe x1 / USB 2.0 (Antenna Kit support) 1x M.2 B key, type 2260/2280/3042/3052 support PCIe x1 / USB 3.2 Gen1 / USB 2.0 1x M.2 M key, type 2242/2260/2280 support PCIe x4 / SATA mode. 1x PCIe 3.0/2.0 x16 slot (x16 mode / x8 mode) 1x PCIe 3.0/2.0 x4 slot (x4 mode) 1x PCIe 3.0/2.0 x16 slot (x8 mode) 1x PCIe 3.0/2.0 x4 slot (x4 mode) 1x PCIe 3.0/2.0 x4 slot (x2 mode) 2x PCI slots
Internal Connector	5x COM ports (1 x RS-232/422/485, 4 x RS232) 1x USB 3.2 Gen1 connector supports additional 2x USB 3.2 Gen 1 ports 2x USB 2.0 vertical connector 1x GPIO (connector kit supported)

External I/O

Serial Port	- 1 x COM ports (1 x RS-232/422/485)
Display	- 2x DP, support DP 1.4a, up to 4096 x 2160 @ 60Hz - 1x HDMI, up to 4096 x 2160 @ 30Hz - 1x VGA, up to 1920 x 1200 @ 60Hz
USB	- 4 x USB 3.2 Gen 2 (3 x Type A+ 1 x Type C) - 2 x USB 2.0 (Type A)
Audio	Realtek ALC887 HDA codec
Ethernet	- 1 x GbE (Intel® I219LM) - 1 x 2.5 GbE (Intel® I225V)

Power Supply Unit

Power Input	ATX 600w 80 plus gold
-------------	-----------------------

Environmental

Operation Temperature	0°C ~ 40°C
Storage Temperature	-20°C~60°C
Relative Humidity	40°C, 85%RH non-condensing
Operation Vibration	0.75 Grms/5-500Hz, IEC 60068-2-6
Operation Shock	10G, 11 msec, IEC 60068-2-27
OS	Win11 IOT LTSC

Mechanical

Dimension	430 (W) x 450 (D) x 177 (H) mm
Weight	18 Kg
Mounting	Rackmount

