

# SCB-1721

Mainstream Network System

## AEWIN Technologies Co., Ltd.

1U Rack-mount single AMD® Ryzen Pro Series Processor and X470 FCH Networking System, support DDR4 up to 128GB, 8 Copper GbE, 4 SFP GbE, 4 SFP+ 10GbE, 2 USB 2.0, 1 Console, M.2 2280, 2x 2.5" HDD, Bypass, ATX PSU



### Features

- Support AMD® Ryzen Pro Series Processor, Socket AM4
- 2x DDR4 memory channel, support 4 un-buffered ECC/Non-ECC UDIMM 2400/2667/2933MHz Memory, max support 128GB
- Max 8 GbE Copper, 4 GbE SFP and 4 10GbE+ ports
- 2x 2.5" HDD/SSD support
- 1x M.2 2280 for SSD



### Introduction

The SCB-1721 is a 1U Rack-Mount high-performance networking system. Supporting AMD® Ryzen Pro Series Processor with X470 FCH. Based on of AMD's new 14nm micro-architecture Ryzen Pro processor accelerates complex computational demands, multitasking and networking traffic. CPU cores up to 8 cores and 16 threads, supports 16MB cache and total with 128 PCIe lanes.

The SCB-1721 supports four DDR4 un-buffered ECC/Non-ECC UDIMM (up to 2993MHz, Ryzen 3 2200G) and maximum memory capacity is up to 128GB. Multiple Ethernet ports support for 8 Copper GbE with 2 pairs BYPASS function, 4 SFP GbE, and 2 / 4 SFP+ 10GbE.

The strong IO elements of SCB-1721 include a console port, two USB 2.0 ports, a LCD module with keypad (5 key), LEDs for power / HDD/ 2 x GPIO. In addition, the SCB-1721 also supports one two 2.5" SATA HDD/SSD, onboard one M.2 2280 slot for basic network storage application.

### Specifications

#### ▼ Processor System

CPU	Support single AMD® Ryzen Pro 2200G Processor, Socket AM4
BIOS	AMI® UEFI BIOS

#### ▼ Memory

Technology	Total 4 DIMMs (2 channel) DDR4 un-buffered ECC/Non-ECC 2400/2667/2933 memory, up to 32GB per DIMM
Capacity	up to 128GB

#### ▼ Ethernet

GbE Ethernet	8 RJ45 GbE, 4 SFP GbE and 4 10GbE SFP+ ports
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#### ▼ Storage

SATA	2x 2.5" SATA3.0 HDD/SSD
M.2	1x M.2 2280

#### ▼ I/O

USB	2x external USB 2.0 port 1x internal USB 2.0 (5x2 pin header)
Serial	1x RJ45 Console port (COM1) 1x internal 5x2 pin header (COM2)

#### ▼ Power Supply

Watt	1U 250W ATX Power Supply Option: 1U Redundant 300W ATX Power Supply
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#### ▼ Mechanical and Environmental

Form Factor	1U rack-mount
LED	One Power LED (Green) One HDD LED (Red) Two Status LED (Green/Yellow via programmable GPIO)
Dimension ( W x D x H )	440mm (W) x 364mm (D) x 44mm (H) (17.3"W x 14.3"D x 1.73"H)
Operating Temperature	Operating: 0 ~ 40°C ( 32 ~ 104°F )
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
Humidity	5 ~ 95% relative humidity, non-operating, non-condensing
Weight	5.5 kg
Certification	CE/FCC