SCS-4201 Performance Storage System

AEWIN Technologies Co., Ltd.

CAVIUM® ThunderX® Processor CN88XX-based High Performance and Lowest TCO Storage Server

■ Features

- High-density, Storage, Cost-effective Server
- Up to (24)3.5'' HDD + (4)2.5'' HDD/SSD in 2U height chassis
- (2) CAVIUM® ThunderX® CN8890-2000(48-Cores), Total 96 CPU cores
- (16) Up to 1TB DDR4 Memory
- 1000 Watts 2U Redundant 80Plus power supply (PLATINUM Level)

10 GbE | 40 GbE | DDR4 REG ECC | SATA 3.0 | USB 3.0 | 2.5" HDD

3.5" HDD | IPMI | RPSU

Introduction

SCS-4201 which is developed uniquely for applications of Network, Storage, Servers and IOT. This 64-bit ARM based SCS-4201 adopts standard 2U chassis featuring flexible storage/memory component allocation - up to (24) 3.5" HDD or (4) 2.5" HDD/SDD and 512GB (DDR4) – to offer the cost effective solution for space-tight applications. Moreover, with the 1000 Watt 80 Plus power supply unit onboard, SCS-4201 runs longer than average on lower power consumption.

Specifications

Form factor	2U/6 Data Nodes Rackmount Server
Processor	(2) Cavium® ThunderX™ ARM processors 64bit ARMv8 architecture 48 cores per processor, 2.0GHz
Memory	(16) DIMM slots for DDR4 RDIMMs or LRDIMMs Up to total 1TB memory capacity
Storage	Front Access : (24) 3.5-inch SATA HDDs Rear Access : (4) 2.5-inch SSDs or SATA HDDs
RAID	Depends on OS RAID
Front IO	(1) Power Button (1) USB port
Rear IO	(1) VGA port (1) USB port (4) 2.5'' SSD/HDD LED (4) 10GbE SFP+ W/ LED (1) GbE LAN (1) Dedicated LAN for IPMI Remote Management (1) Dedicated LAN for Management
System Fan	(5) Hot-swappable fan modules
PSU	1000 W high-voltage DC Redundant PSU (100~230V AC) 80 PLUS Platinum Level
Management	Aspeed® AST2400 management controller Avocent® MergePoint IPMI 2.0 web interface: Network settings Network security settings Users control Services settings IPMI settings Sessions control LDAP settings Power control Voltages, fans and temperatures monitoring System event log Events management (platform events, trap settings, email settings) Serial Over LAN vKVM & vMedia (launch, configuration)

Supported OSs	CentOS 7.1 64bit Ubuntu 14.04 64bit Red Hat 7.2 64bit Fedora 21 64 bit Open SUSE 13.2 64bit
Operating temperature	Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Certification	Operating temperature: 10°C to 35°C Operating humidity: 8-80%(non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95%(non-condensing)
Dimensions (W x D x H)	438 mm x 780 mm x 88.5 mm (17.24 in. x 30.7 in. x 3.48 in.)

* Note：All specifications are subject to change without prior notice