TwinPro A+ Server AS -2014TP-HTR

2U 4-node TwinPro with 3 3.5" SATA drives per node

More details here

Key Applications

Hyperscale / Hyperconverged, Enterprise Server, Compute Intensive
Applications, HPC, Data Center,

Key Features

- Four hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:;
- Single AMD EPYC™ 7003/7002 Series Processor
  (The latest AMD EPYC™ 7003 Series Processor with AMD 3D V-Cache™ Technology requires BIOS version 2.3 or newer);
- Up to 2TB ECC 3DS LRDIMM,
  up to DDR4-3200MHz; 8 DIMM slots;
- 2 PCIe 4.0 x16 (LP) slots;
- Flexible Networking support via SIOM;
  Dedicated IPMI 2.0 LAN
  • Software Out of Band License key (SFT-OOB-LIC) included for OOB BIOS management;
- 3 Hot-swap 3.5" SATA3 drive bays
  M.2 Interface: 4 SATA/PCIe 4.0 x4
  M.2 Form Factor: 2280, 22110, 2260, 2242
  M.2 Key: M-key;

Form Factor	2U Rackmount Enclosure: 438 x 88 x 774mm (17.25" x 3.47" x 30.5") Package: 662.3 x 254 x 1143mm (24.5" x 10" x 45")
Processor	Single Socket SP3 AMD EPYC™ 7002/7003 Series Processors Up to 64C/128T
System Memory	Slot Count: 8 DIMM slots/8 Channels Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM
Drive Bays Configuration	Default: Total 3 bays • 3 front hot-swap 3.5" SATA drive bays M.2: 4 M.2 PCIe 4.0 x4 SATA slots (M-key 2242/2260/2280/22110)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 2 PCIe 4.0 x16 LP slots M.2: 4 M.2 PCIe 4.0 x4 SATA slots (M-key 2242/2260/2280/22110)

On-Board Devices	Chipset: System on Chip
	Network Connectivity: Ethernet
	                              InfiniBand
	IPMI: Support for Intelligent Platform Management Interface v.2.0
	      IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 ports(rear) 1 USB 2.0 Type-A port Video: 1 VGA port DOM: 1 SuperDOM (Disk on Module) port TPM: 1 TPM header

(Front View – System)

(Rear View – System)

Power Button	12x 3.5" Hot-swap SATA Drive Bays (3 per Node)
UID Button/LED	
Information LED	

2 PCI-E 4.0 x16 LP Slots (Node A)

Node D
Node C
Node B
Node A

Redundant 2000W Titanium Level Power Supplies
SIOM Slot (Node A)
2 USB Ports (Node A)
VGA Port (Node A)
Dedicated IPMI LAN Port (Node A)

System Cooling	Fans: 4x 8cm heavy duty fans with optimal fan speed control (1 fans per node)
Power Supply	2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 128MB SPI Flash ROM
Management	Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); KVM with dedicated LAN ; IPMI 2.0; Watch Dog
Dimensions and Weight	Weight: Gross Weight: 85 lbs (38.6 kg) Net Weight: 54.5 lbs (24.7 kg) Available Color: Black front & silver body
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 30°C (50°F to 85°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	**Super H12SST-PS**
Chassis	**CSE-827HQ+-R2K04BP2**