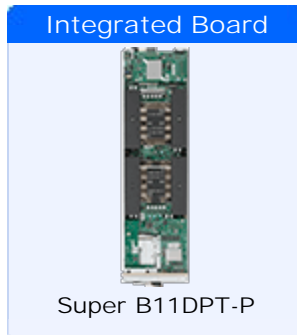


2-Socket Blade SBI-4429P-T2N



Key Features

1. 280 CPUs per 42U Rack
2. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors, 3 UPI up to 10.4GT/s
3. Intel® C622 chipset
4. 2 Hot-plug 2.5" NVMe or 2 SATA3 drive bays; 1 PCI-E 3.0 x4 M.2 or 4 PCI-E 3.0 x4 M.2 (via Mezzanine Card)
5. Up to 512GB VLP Registered ECC DDR4 2666/2400MHz DIMM
6. Dual 10G onboard
7. IPMI 2.0, KVM over IP, Virtual Media over LAN
8. Graphics: Aspeed AST2500 BMC

- ▶ [Drivers & Utilities](#) ▶ [BIOS / IPMI](#) ▶ [Manuals](#) ▶ [Tested Memory](#)
- ▶ [Tested HDD](#) ▶ [Tested NVMe](#) ▶ [Tested M.2 List](#) ▶ [OS Certification Matrix](#)

Specifications

Product SKUs

- SBI-4429P-T2N
 - Processor Blade SBI-4429P-T2N (Black)

Motherboard

Super B11DPT-P

Processor/Cache

- CPU
 - Dual Socket P (LGA 3647)
 - Intel® Xeon® Scalable Processors, 3 UPI up to 10.4GT/s
 - Support CPU TDP up to 165W
- Cores
 - Up to 28 Cores with Intel® HT Technology

System Memory

- Memory Capacity
 - 16 DIMM slots*
 - Up to 512GB VLP Registered ECC DDR4
- Memory Type
 - 2666/2400MHz ECC DDR4
 - Support Apache Pass

On-Board Devices

- Chipset
 - Intel® C622 chipset
- SATA
 - SATA3 (6Gbps) via Intel C622; RAID 0, 1

Dimensions

- Height
 - 6.5"
- Width
 - 1.2"
- Depth
 - 23.5"
- Weight
 - 9.5 lbs (4.3 kg)
- Available Colors
 - Black

Front Panel

- Buttons
 - Power On/Off button
 - KVM button
- LEDs
 - Power LED
 - UID / KVM LED
 - Network Activity LED
 - Fault LED
- Connector
 - SUV (Serial/USB/Video) & KVM Connector

Drive Bays

- Hot-swap
 - 2 Hot-Plug 2.5" NVMe or 2 SATA3 drive bays
- M.2
 - 1 PCI-E x4 M.2

Input / Output

Network Controllers	<ul style="list-style-type: none"> Dual 10G onboard
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface (IPMI) v.2.0 via Chassis Management Module (CMM)
Graphics	<ul style="list-style-type: none"> Aspeed AST2500 BMC
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI® BIOS
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) PCI 2.2 ACPI up to 3.0 USB Keyboard support

TPM	<ul style="list-style-type: none"> 1 TPM Header
Operating Environment	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10°C ~ 35°C (50°F ~ 95°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)

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-B11DPT-P-O-P	1	Super B11DPT-P Motherboard
	MCP-680-41401-0N	1	4U 14 SuperBlade Processor Blade chassis
Add-on Card / Module	AOM-SB414-01-P	1	Front control board with KVM for Blade,HF,RoHS
Hard Drive Tray	MCP-220-00145-0B	2	Black 2.5" NVMe Hard Drive Tray, orange button
Air Shroud	MCP-310-41402-0N	1	4U 14 SuperBlade B11DPT Processor Tray Air Shroud

Optional Parts List

	Part Number	Qty	Description
TPM security module (optional, not included)	AOM-TPM-9670V	1	TPM module (Vertical) TPM 2.0
	AOM-TPM-9671V		TPM module (Vertical) TPM 1.2.
Heatsink / Retention	SNK-P1037PS	1	Low Profile Proprietary Passive CPU Heat Sink for B11 4U 14 Blade Series Super Servers
Heatsink / Retention	SNK-P1037PSM	1	Low Profile Proprietary Passive CPU Heat Sink w/ a Middle Air Channel for B11 4U 14 Blade Series Super Servers
AOC	AOC-VROCPREMOD	-	Intel VROC Premium, RAID 0, 1, 5, 10
	AOC-VROCSTNMOD	-	Intel VROC HW key (RSTe) standard upgrade module
	AOC-VROCINTMOD	-	Intel VROC, RAID 0, 1, 5, 10 (Intel SSD Only)
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)
Add-on Card / Module	AOM-B-4M	1	4 x M.2 mezz card

* Memory configuration will vary based on the CPU configuration. Please contact Supermicro.