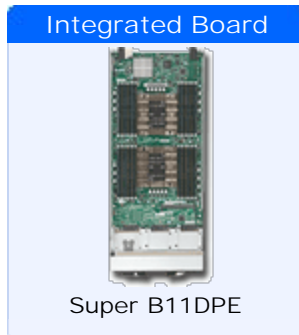


Dual-Socket Blade SBI-6429P-C3N



Key Features

1. 98 DP nodes 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 + 1 SAS3/SATA3 drive bays or 3 SAS3/SATA3 drive bays
5. Broadcom 3108 HW RAID
6. 768GB VLP registered ECC DDR4-2666/2400, 24 DIMM slots
7. Dual 10G onboard
8. IPMI 2.0, KVM over IP, Virtual Media over LAN
9. Graphics: Aspeed AST2500 BMC

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

Specifications

Product SKUs	
SBI-6429P-C3N	▪ Dual-Socket Blade SBI-6429P-C3N
Motherboard	
Super B11DPE	
Processor/Cache	
CPU	<ul style="list-style-type: none"> ▪ Dual Socket P (LGA 3647) ▪ Intel® Xeon® Scalable Processors, 3 UPI up to 10.4GT/s ▪ Support CPU TDP up to 205W
Cores	▪ Up to 28 Cores with Intel® HT Technology
System Memory	
Memory Capacity	<ul style="list-style-type: none"> ▪ 24 DIMM slots ▪ Up to 768GB VLP Registered ECC DDR4-2666/2400
Memory Type	<ul style="list-style-type: none"> ▪ 2666/2400MHz ECC DDR4 ▪ VLP RDIMM
On-Board Devices	
Chipset	<ul style="list-style-type: none"> ▪ Intel® C622 chipset ▪ Broadcom 3108 SAS3 (12Gbps)

Dimensions	
Height	▪ 9.75"
Width	▪ 1.2"
Depth	▪ 23.5"
Weight	▪ 12.6 lbs (5.71 kg)
Available Colors	▪ Black
Front Panel	
Buttons	▪ Power On/Off button
LEDs	<ul style="list-style-type: none"> ▪ Power LED ▪ UID / KVM LED ▪ Network Activity LED ▪ Fault LED
Drive Bays	
Hot-swap	▪ 2 Hot-Plug 2.5" NVMe, 3 Hot-plug 2.5" SAS3/SATA3 drive bays
Input / Output	
TPM	▪ 1 TPM Header
Operating Environment	
RoHS	▪ RoHS Compliant

SAS controller;	HW RAID 0, 1, 5 support; 2GB Cache
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

Environmental Spec.

- 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-B11DPE	1	Super B11DPE Motherboard
	MCP-680-61403-0N	1	6U 14 SuperBlade Processor Blade chassis
Add-on Card / Module	AOM-BPNIO-SCE-P	1	AOM-BPNIO-SC, I/O module for uBlade,RoHS
Air Shroud	MCP-310-61401-0B	4	6U 14 SuperBlade B11DPE Processor Tray Air Shroud
Hard Drive Tray	MCP-220-00145-0B	2	Black 2.5" NVMe Hard Drive Tray, orange button
Hard Drive Tray	MCP-220-00079-0B	1	Black gen 4 hot swap 2.5" HDD tray for Twin Blade
Air Shroud	MCP-310-61401-0B	1	6U 14 SuperBlade B11DPE 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.
SuperDOM	-	-	Supermicro SATA DOM Solutions [Details]
Heatsink / Retention	SNK-P1037PSM	1	Low Profile Proprietary Passive CPU Heat Sink w/ a Middle Air Channel for B11 6U 14 Blade Series SuperServers
Heatsink / Retention	SNK-P1037PS	1	Low Profile Proprietary Passive CPU Heat Sink for B11 6U 14 Blade Series SuperServers
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)
Battery Backup Kit	BTR-TFM8G-LSICVM02	1	Broadcom Supercap w/ 8GB CV + 24" cable (whole kit)
	MCP-240-00127-0N	1	Broadcom Supercap bracket include screw, same size as 2.5" HDD
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)