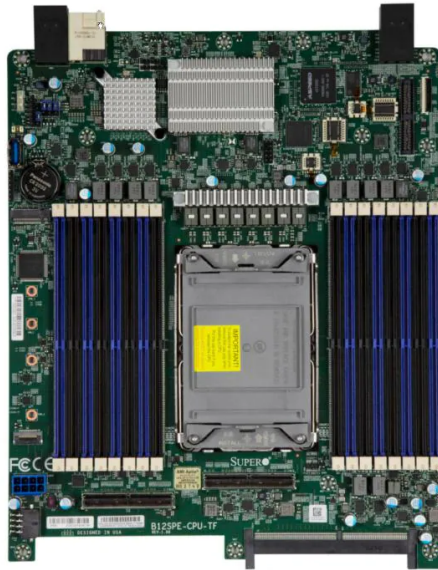


B12SPE-CPU-25G (For SuperServer Only)



SuperBlade

Key Features

1. 3rd Gen Intel® Xeon® Scalable processors
Single Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 270W TDP
2. Intel® C621A
3. Up to 4TB 3DS ECC RDIMM, DDR4-3200MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-3200MHz, in 16 DIMM slots
4. **M.2 Interface:** 1 SATA/PCI-E 3.0 x4
M.2 Key: M-Key
5. Dual LAN with 25GbE with Mellanox ConnectX-4 Lx EN

Specifications

Product SKUs		Expansion Slots	
MBD-B12SPE-CPU-25G	B12SPE-CPU-25G	PCI-E	1 PCI-E 4.0 x8 for Add-On-Module (AOM) - Onboard PCIe Gen3/4 x 32 connectors for GPU riser/ PCIe cable - One PCIe Gen3/4 x 8 Mezzanine card connector for network AOM
Physical Stats		M.2	- M.2 Interface: 1 SATA/PCI-E 3.0 x4 - Form Factor: 2280/22110 - Key: M-Key - One Hybrid (PCIe Gen3 x 4 /SATA3) M.2 connector from PCH
Form Factor	Proprietary	System BIOS	
Dimension	9.358" x 11.408" (23.77cm x 28.98cm)	BIOS Type	256MB SPI Flash with AMI BIOS
Processor		Management	
CPU	3rd Gen Intel® Xeon® Scalable processors - Single Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 270W TDP	Software	NMI, <u>SUM</u>, <u>SPM</u>, <u>SSM</u>, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support
System Memory		System Management Software	IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
Memory Capacity	16 DIMM slots - Up to 4TB 3DS ECC LRDIMM, DDR4-3200MHz; Up to 4TB 3DS ECC RDIMM, DDR4-3200MHz	PC Health Monitoring	
Memory Type	3200/2933/2666MHz ECC DDR4 LRDIMM (3DS), RDIMM (3DS)	Voltage	VBAT, System temperature, PCH temperature, Memory temperature, CPU temperature, Chipset Voltage, 1.05 (PCH), +5V, +3.3V, +12V, Memory Voltages, LAN temperature, +1.8V PCH
DIMM Sizes	N/A		
Memory Voltage	1.2V		
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)		
On-Board Devices			
Chipset	Intel® C621A		
IPMI	ASPEED AST2600 BMC		
Network Controllers	Dual LAN with 25GbE with Mellanox ConnectX-4 Lx EN		
Input / Output			

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-B12SPE-CPU-25G	1	B12SPE-CPU-25G Motherboard
SuperBlade	SBI-610P-1C2N	1	SBI-610P-1C2N Motherboard
	SBI-610P-1T2N	1	SBI-610P-1T2N Motherboard

Server (Optimized for B12SPE-CPU-25G)

Server Name
<u>SBI-610P-1C2N</u>
<u>SBI-610P-1T2N</u>

