

B12DPT-6 (For SuperServer Only)



SuperBlade

Key Features

1. 3rd Gen Intel® Xeon® Scalable processors
Dual 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

MBD-B12DPT-6 ■ B12DPT-6

Physical Stats

Form Factor ■ Proprietary

Dimension ■ 6.3" x 18.4" (16cm x 46.74cm)

Processor

CPU ■ 3rd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors
 ■ Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 270W TDP

Core ■ Up to 40 cores

System Memory

Memory Capacity ■ 16 DIMM slots
 ■ Up to 4TB ECC RDIMM, DDR4-3200MHz

Memory Type ■ 3200/2933/2666MHz ECC DDR4 RDIMM

DIMM Sizes ■ 8GB, 16GB, 32GB, 64GB

Memory Voltage ■ 1.2V

Error Detection ■ Corrects single-bit errors

On-Board Devices

Chipset ■ Intel® C621A

Network Controllers ■ Dual LAN with 25GbE with Mellanox ConnectX-4 Lx EN, Two (2) 10GbE Ethernet ports from KR interface to BP

Input / Output

Expansion Slots

PCI-E ■ 1 PCI-E 4.0 x16 slots (16/NA/16/NA or 8/8/8/8)

System BIOS

BIOS Type ■ 256MB SPI Flash EEPROM with AMI BIOS

BIOS Features ■ ACPI 6.1
 ■ UEFI 2.7
 ■ SMBIOS 2.8
 ■ SMBIOS 3.1
 ■ PCI FW 3.2
 ■ Plug and Play (PnP)

Management

Software ■ [IPMI \(Intelligent Platform Management Interface\) v2.0 with KVM support](#)

PC Health Monitoring

Other Features ■ Control of power-on for recovery from AC power loss

Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-B12DPT-6	1	B12DPT-6 Motherboard
SuperBlade	-	-	-

Server (Optimized for B12DPT-6)

Server Name
SBI-420P-1T3N
SBI-420P-1C2N
SBS-820H-420P
SBI-420P-4T2N

