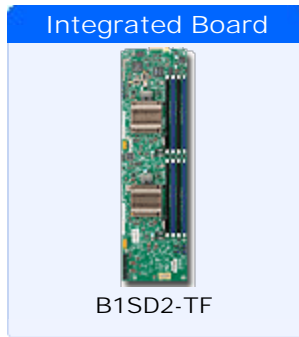


MicroBlade MBI-6218G-T41X



Key Features

- 392 Xeon D-1541 nodes per 42U Rack
- 2 Independent Nodes per Module:
- Each Node Supports:

1. Single socket FCBGA 1667, 8-Core, 45W, 16 Threads; support Intel® Xeon® processor D-1541
2. Up to 128GB DDR4 VLP ECC RDIMM 2133/2400MHz in 4 sockets
3. 1x 2.5" 6Gb/s SATA3 HDD/SSD, 1x SATA3 DOM
4. Dual 10GbE ports via Intel X552
5. 56 Xeon D-1541 nodes in 6U or 28 Xeon D-1541 nodes in 3U
6. Hot-plug front loading

[▶ Drivers & Utilities](#) ▶ [BIOS / IPMI](#) ▶ [Manuals](#) ▶ [Tested Memory](#) ▶ [Tested HDD](#) ▶ [OS Certification Matrix](#) ▶ [OS Compatibility](#) ▶ [Download Driver CD](#)

Specifications

Product SKUs	
MicroBlade	▪ MBI-6218G-T41X
Motherboard	
	▪ B1SD2-TF
Processor/Cache	
CPU	<ul style="list-style-type: none"> ▪ Intel® Xeon® processor D-1541 ▪ Socket FCBGA 1667 ▪ CPU TDP support 45W, 2.2-2.6GHz, 12MB
System Memory	
Memory Capacity	<ul style="list-style-type: none"> ▪ 4x DDR4 DIMM sockets ▪ Supports up to 128GB DDR4 ECC VLP RDIMM
Memory Type	▪ 2133/2400MHz ECC DDR4 RDIMM
DIMM Sizes	▪ 32GB
Memory Voltage	▪ 1.2 V
Error	▪ Corrects single-bit errors

Dimensions	
Height	▪ 1.2" (30.48mm)
Width	▪ 4.94" (125.48mm)
Depth	▪ 23.2" (589.28mm)
Weight	▪ Gross Weight: 5.01 lbs (2.27 kg)
Available Colors	▪ Silver Grey
Front Panel	
LEDs	<ul style="list-style-type: none"> ▪ Power LED ▪ UID / KVM LED ▪ Network Activity LED ▪ Fault LED
Drive Bays	
Internal	▪ 1x 2.5" 6Gb/s SATA3 HDD/SSD per node (Total of 2x 2.5" HDD/SSD in one SuperBlade Sled)
Operating Environment / Compliance	
	<ul style="list-style-type: none"> ▪ Operating Temperature: 10°C to 35°C (50°F to 95°F) ▪ Non-operating Temperature:

Detection	Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	<ul style="list-style-type: none"> System on Chip
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps) via chipset
Network Controllers	<ul style="list-style-type: none"> Dual 10GbE LAN ports via Intel® X552 controller Intel® I/OAT 3 support for fast, scalable, and reliable networking VMDq support for better performance of virtualization
Input / Output	
DOM	<ul style="list-style-type: none"> 1x SuperDOM (Disk on Module) port
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) APM 1.2 ACPI 1.0/2.0 SMBIOS 2.3 RTC (real time clock) wake up

Environmental Spec.	<ul style="list-style-type: none"> -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Electromagnetic Compatibility (EMC)	
United States / Canada	<ul style="list-style-type: none"> FCC- Emissions (US) Verification
Europe	<ul style="list-style-type: none"> EN55022 - Emissions EN55024 - Immunity EN61000-3-2 - Harmonics EN61000-3-3 - Voltage Flicker CE - EMC Directive 89/336/EEC

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard	MBD-B1SD2-TF	1	MicroBlade Board
MicroBlade Sled	MCP-680-31404-0N	1	M628 MicroBlade Broadwell-DE UP Sled (complete assembly)
Micro Blade Module Chassis	MCP-620-31401-0N	2	M628 Sled AOM-BPN Bracket
	MCP-620-31402-0N	1	M628 Sled Node Cover
	MCP-640-31404-0N	1	M628 MicroBlade Broadwell-DE UP Sled Base
Air Shroud	MCP-310-31403-0N	1	M628 MicroBlade Broadwell-DE UP Air Shroud
Add-on Card	AOM-BPN-MS28U	1	HDD Daughter card for M628 Broadwell-DE MB B1SD2-TF

Optional Parts List

	Part Number	Qty	Description
SATA DOM	MEM-IDSAHM3-016G	1	SATA3 DOM SH 3ME3 V2 16GB MLC w/ Pin8 VCC Horizontal
	MEM-IDSAHM3-032G		SATA3 DOM SH 3ME3 V2 32GB MLC w/ Pin8 VCC Horizontal
	MEM-IDSAHM3-064G		SATA3 DOM SH 3ME3 V2 64GB MLC w/ Pin8 VCC Horizontal
	MEM-IDSAHM1-128G		SATA3 DOM SH 3ME3 V2 128GB MLC w/ Pin8 VCC Horizontal
Software	SFT-OOB-LIC	2	OOB Management Package (per node license)
Software	SFT-DCMS-Single	2	DataCenter Management Package (per node license)