

MicroBlade MBI-6119G-T7LX



3U Enclosure: MBE-314E-420/220/416/420D
 6U Enclosure: MBE-628E-820/420/816/416/820D

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Coming Soon

Key Features

- 196 Skylake UP nodes per 42U Rack
- 28/14 Skylake-H UP nodes in 6U/3U

1. Socket FCBGA 1440; Intel® Xeon® processor E3-1578L v5
2. Up to 32GB DDR4-2133MHz ECC SO-DIMM in 2 DIMM slots per node
3. 1x 2.5" SATA3 SSD, 1x SATADOM, 1x M.2 NVMe (80mm), 1x M.2 NVMe (110mm)
4. Dual 10GbE LAN ports via Intel X710-BM2
5. Dedicated LAN supports IPMI 2.0

Specifications

Product SKUs	
MicroBlade	▪ MBI-6119G-T7LX
Motherboard	
	▪ B2SS1-MTF
Processor/Cache	
CPU	<ul style="list-style-type: none"> ▪ Single Socket FCBGA 1440 supports: ▪ Intel® Xeon® processor E3-1578L v5 processors ▪ CPU TDP up to 45W
System Memory	
Memory Capacity	▪ Up to 32GB Unbuffered ECC SO-DIMM, in 2 DIMM slots per node
Memory Type	▪ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 260-pin SO-DIMMs
DIMM Sizes	▪ 16GB, 8GB
Memory Voltage	▪ 1.2 V

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	<ul style="list-style-type: none"> ▪ 1x 2.5" SATA3 (6Gbps) SSD per blade ▪ 1x M.2 (80mm PCI-E 3.0 x4) ▪ 1x M.2 (110mm PCI-E 3.0 x4) ▪ 1x SATADOM
Operating Environment / Compliance	

On-Board Devices	
Chipset	▪ Intel® C236 chipset
SATA	▪ SATA3 (6Gbps) via chipset
Network Controllers	▪ Dual 10GbE LAN ports
IPMI	▪ Support for Intelligent Platform Management Interface (IPMI) v.2.0 via Chassis Management Module (CMM)
System BIOS	
BIOS Type	▪ AMI UEFI
BIOS Features	<ul style="list-style-type: none"> ▪ ACPI 5.0 ▪ DMI 2.3 ▪ PCI 3.0 ▪ Plug and Play (PnP) ▪ SMBIOS 3.0 ▪ UEFI 2.3.1

Environmental Spec.

- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- Non-operating Temperature: -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

- FCC- Emissions (US) Verification

Europe

- 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-B2SS1-MTF	1	MicroBlade Board
MicroBlade Sled	MCP-680-31406-0N	1	M628 MicroBlade Skylake UP transcoding (complete assembly)
Micro Blade Module Chassis	MCP-620-31401-0N	2	M628 Sled AOM-BPN Bracket
	MCP-620-31409-0N	1	M628 Sled Node Cover with asset tag
	MCP-620-31410-0N	1	M628 Sled Front Window with asset tag opening
	MCP-620-31408-0N	1	M628 MicroBlade Skylake UP transcoding Sled Base
Add-on Card	AOM-BPN-MS28HS-P	1	AOM-BPN-MS28HS-P

Optional Parts List

	Part Number	Qty	Description
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)