

MicroBlade MBI-6119G-C4



Key Features

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

1. Socket H4 (LGA 1151) supports Intel® Xeon® E3-1200 v6/v5 processor family
2. Up to 64GB ECC VLP UDIMM DDR4-2400MHz in 4 DIMM slots
3. Up to 2x 2.5" SAS3 (12Gbps) HDDs or 4x 2.5" SAS3 (12Gbps) SSDs
4. Dual 1GbE LAN ports via Intel i350 Dedicated LAN supports IPMI 2.0

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

Specifications

Product SKUs	
MicroBlade	▪ MBI-6119G-C4
Motherboard	
	▪ B2SS1-CF
Processor/Cache	
CPU	<ul style="list-style-type: none"> ▪ Single Socket H4 (LGA 1151) supports: ▪ Intel® Xeon® processor E3-1200 v6/v5, ▪ CPU TDP up to 80W
Note	BIOS version 2.0 or above is required to support Intel® Xeon® Processor E3-1200 v6 series Processors
System Memory	
Memory Capacity	<ul style="list-style-type: none"> ▪ 4x DDR4 DIMM sockets ▪ Supports up to 64GB DDR4 ECC VLP UDIMM
Memory Type	▪ 2400MHz ECC DDR4 UDIMM
DIMM Sizes	▪ 16GB
Memory Voltage	▪ 1.2 V

Dimensions	
Height	▪ 1.2" (30.48mm)
Width	▪ 4.94" (125.48mm)
Depth	▪ 23.2" (589.28mm)
Available Colors	▪ Silver Grey
Front Panel	
LEDs	<ul style="list-style-type: none"> ▪ Power LED ▪ Fault LED ▪ Network Activity LED ▪ UID / KVM LED
Drive Bays	
Internal	▪ 2x 2.5" SAS3 (12Gbps) HDD or 4x 2.5" SAS3 (12Gbps) SSD per blade
Operating Environment / Compliance	
Environmental Spec.	<ul style="list-style-type: none"> ▪ Operating Temperature: 10°C to 38°C (50°F to 100.4°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:

- Corrects single-bit errors
- Detects double-bit errors (using ECC memory)

5% to 95% (non-condensing)

On-Board Devices

Chipset	▪ Intel® C236 chipset
SAS	▪ SAS3 (12Gbps) via Avago 3008
Network Controllers	▪ Redundant 1GbE SDN switches with 40Gbps/10Gbps uplinks ▪ Dual 1GbE LAN ports
IPMI	▪ Support for Intelligent Platform Management Interface (IPMI) v.2.0 via Chassis Management Module (CMM)

System BIOS

BIOS Type	▪ 128Mb SPI Flash EEPROM with AMI® BIOS
BIOS Features	▪ Plug and Play (PnP) ▪ APM 1.2 ▪ SMBIOS 2.7.1

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-CF-P	1	MicroBlade Board
MicroBlade Sled	MCP-650-31401-0N	1	M628 Sled Dummy,RoHS/REACH,PBF
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-640-31407-0N	1	M628 MicroBlade Skylake UP w/ 3008 Sled Base
Air Shroud	MCP-310-31404-0N	1	M628 MicroBlade Skylake UP Air Shroud
Add-on Card	AOM-BPN-MS14CS-P	1	SAS backplane for B2SS1-CF,RoHS

Optional Parts List

	Part Number	Qty	Description
Heatsink / Retention	SNK-P0047PSR	1	Passive CPU Heat Sink for Micro Blade UP
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	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)