

MicroBlade MBI-6219G-T



Integrated Board



B2SS2-F-P

Views: | [Angled View \(/a_images/products/views/6219G-T_angle.jpg\)](/a_images/products/views/6219G-T_angle.jpg) | [Rear View \(/a_images/products/views/6219G-T_rear.jpg\)](/a_images/products/views/6219G-T_rear.jpg) | [Angled Node View \(/a_images/products/views/6219G-T_node.jpg\)](/a_images/products/views/6219G-T_node.jpg) | [Top Node View \(/a_images/products/views/6219G-T_top.jpg\)](/a_images/products/views/6219G-T_top.jpg) |

Key Features

- 392 UP nodes per 42U Rack
- 56/28 UP nodes in 6U/3U
- 2 Independent Nodes per Module;
- Each Node Supports:
 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 sockets
 3. Up to 2x 2.5" SATA3 SSDs or 1x HDD
 4. Dual 1GbE LAN ports via Intel i350Dedicated LAN supports IPMI 2.0

[Drivers & Utilities](#) | [BIOS / BMC](#) | [Manuals](#) | [Tested Memory](#) | [Tested HDD](#)

[OS Certification Matrix \(/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=MBI-6219G-T\)](/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=MBI-6219G-T)

[Download Driver CD](#)

Note: Image above may show a varied configuration of optional parts.
Please refer to parts list for standard parts included.

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard	MBD-B2SS2-F-P	1	MicroBlade Board
MicroBlade Sled	MCP-680-31405-0N	1	M628 MicroBlade Skylake UP Sled (complete assembly)

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

MicroBlade MBI-6219G-T

Motherboard

B2SS2-F-P

Processor/Cache

CPU Single Socket H4 (LGA 1151) supports:
Intel® Xeon® processor E3-1200 v6/v5,

Intel® 7th/6th Gen Core™ i3,

Intel® Pentium®,

Intel® Celeron® processors
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 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

Error Detection Corrects single-bit errors
Detects double-bit errors

(using ECC memory)

On-Board Devices

Chipset Intel® C236 chipset

SATA SATA3 (6Gbps) via chipset

Network Redundant 1GbE SDN switches with
Controllers 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

ACPI 1.0/2.0

SMBIOS 2.3

RTC (real time clock) wake up

Micro Blade Module Chassis

MCP-620-31401-0N 2

M628 Sled AOM-BPN Bracket

MCP-620-31402-0N 1

M628 Sled Node Cover

MCP-620-31408-0N 1

M628 Skylake UP top 2x slim 2.5HDD bracket

MCP-640-31405-0N 1

M628 MicroBlade Skylake UP Sled Base

Air Shroud

MCP-310-31403-0N 1

M628 Microblade Skylake UP Air shroud

Add-on Card

AOM-BPN-MS28S-P 1

AOM-BPN-MS28S-P

Optional Parts List

Part Number	Qty	Description
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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	Power LED UID / KVM LED Network Activity LED Fault LED
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Drive Bays

Internal	4x 2.5" SATA3 (6Gbps) SSD per blade
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Operating Environment / Compliance

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)
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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

Heatsink / Retention	SNK-P0047PSR	2	Passive CPU Heat Sink for Micro Blade UP
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
	(https://store.supermicro.com/out-of-band-sft-oob-lic.html?utm=serverpartslist). • 		
	(https://store.supermicro.com/out-of-band-sft-oob-lic.html?utm=osite).		
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)

Certain products may not be available in your region