

## B2SC2-TF (For SuperServer Only)

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### Key Features

1. Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor  
Dual Socket LGA-1151 (Socket H4) supported, CPU TDP support Up to 95W TDP
2. Intel® C246
3. Up to 64GB DDR4 ECC/non-ECC UDIMM, DDR4-2666MHz, in 2 DIMM slots  
Up to 64GB ECC VLP UDIMM DDR4-2666Mhz support in 2 DIMM slots per node
4. 2x U.2 (PCI-Ex4 only) via backplane per node\_x000D\_  
U.2 Interface: 2 PCI-E 3.0 x4
5. Dual LAN with 10Gbase-T  
Two(2)10GbE Ethernet ports from KR interface to BP

# Specifications

## Product SKUs

**MBD-B2SC2-TF** ■ B2SC2-TF

## Physical Stats

**Form Factor** ■ Proprietary

**Dimension** ■ 4.8" x 17" (12.19cm x 43.18cm)

## Processor

**CPU** ■ Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor  
■ Dual Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 95W TDP

**Core** ■ Up to 8 cores

**Note** ■ BIOS version 1.0b or above is required to support Intel® Xeon® E-2200 and 9th Generation Intel® Core™ i3/Pentium®/Celeron® Processors

## System Memory

**Memory Capacity** ■ 2 DIMM slots  
■ Up to 64GB ECC/non-ECC , DDR4-2666MHz  
■ Up to 64GB ECC VLP UDIMM DDR4-2666Mhz support in 2 DIMM slots per node

**Memory Type** ■ 64GB DDR4-2666MHz in 4 DIMM slots

**DIMM Sizes** ■ 8GB, 16GB, 32GB, 64GB

**Memory Voltage** ■ 1.2V

## On-Board Devices

**Chipset** ■ Intel® C246

**IPMI** ■ ASPEED AST2500

**Graphics** ■ ASPEED AST2500 BMC

**Network Controllers** ■ Dual LAN with 10Gbase-T, Two(2)10GbE Ethernet ports from KR interface to BP

## Input / Output

**DOM** ■ 1 SATA DOM (Disk on Module) power connector support

**TPM** ■ 1 TPM Header

**Others** ■ 1 SATA DOM and TPM header per node

## Expansion Slots

**PCI-E** ■ 2x U.2 (PCI-Ex4 only) via backplane per node

## System BIOS

**BIOS Type** ■ 128MB 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** ■ SuperDoctor® 5, NMI, SUM, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog

**System Management Software** ■ IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support

**Power Configurations** ■ +12V DC Power Input

## PC Health Monitoring

**Voltage** ■ VBAT, Monitors CPU voltages, +12V, Memory Voltages

**LED** ■ UID/Remote UID  
■ Power LED

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

## Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-B2SC2-TF	1	B2SC2-TF Motherboard

### Server (Optimized for B2SC2-TF)

Server Name
<u>MBI-6219M-2N</u>
<u>MBS-314E-6219M</u>

