

B2SD2-8C-TF (For SuperServer Only)



Key Features

1. Intel® Xeon® D Processor (Skylake-D), Intel® Xeon® Processor D-2141I.
Single Socket FCBGA-2518 supported, CPU TDP support 65W TDP

2. Up to 128GB Registered ECC RDIMM, DDR4-2133MHz, in 4 DIMM slots

3. 1 PCI-E 3.0 x4
M.2 Interface: 1 PCI-E 3.0 x4
M.2 Form Factor: 2242/2280/22110
M.2 Key: M-Key
U.2 Interface: 1 PCI-E 3.0 x4

4. Dual LAN with SoC
Two(2)10GbE Ethernet ports from KR interface to BP

5. System on Chip

Specifications

Product SKUs

MBD-B2SD2-8C-TF	<ul style="list-style-type: none"> ■ B2SD2-8C-TF
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Physical Stats

Form Factor	<ul style="list-style-type: none"> ■ Proprietary
Dimension	<ul style="list-style-type: none"> ■ 4.94" x 1.2" (12.55cm x 3.05cm)

Processor

CPU	<ul style="list-style-type: none"> ■ Intel® Xeon® Processor D-2141I, Intel® Xeon® D Processor (Skylake-D) ■ Single Socket FCBGA-2518 supported, CPU TDP supports Up to 65W TDP
Core	<ul style="list-style-type: none"> ■ Up to 8 cores, 16 threads / 11MB Cache

System Memory

Memory Capacity	<ul style="list-style-type: none"> ■ 4 DIMM slots ■ Up to 128GB ECC RDIMM, DDR4-2133MHz
Memory Type	<ul style="list-style-type: none"> ■ 2133/2400MHz ECC DDR4 RDIMM VLP
DIMM Sizes	<ul style="list-style-type: none"> ■ 8GB, 16GB, 32GB
Memory Voltage	<ul style="list-style-type: none"> ■ 1.2V

On-Board Devices

Chipset	<ul style="list-style-type: none"> ■ System on Chip
IPMI	<ul style="list-style-type: none"> ■ ASPEED AST2500
Graphics	<ul style="list-style-type: none"> ■ ASPEED AST2500 BMC
Network Controllers	<ul style="list-style-type: none"> ■ Dual LAN with SoC, Two(2)10GbE Ethernet ports from KR interface to BP

Input / Output

SATA	<ul style="list-style-type: none"> ■ 1 SATA3 (6Gbps) port(s)
DOM	<ul style="list-style-type: none"> ■ 1 SATA DOM (Disk on Module) power connector support
TPM	<ul style="list-style-type: none"> ■ 1 TPM Header & Chip both

Expansion Slots

PCI-E	<ul style="list-style-type: none"> ■ 1 PCI-E 3.0 x4
M.2	<ul style="list-style-type: none"> ■ M.2 Interface: 1 PCI-E 3.0 x4 ■ Form Factor: 2242/2280/22110 ■ Key: M-Key

System BIOS

BIOS Type	<ul style="list-style-type: none"> ■ 256MB SPI Flash with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> ■ ACPI 6.1 ■ UEFI 2.7 ■ SMBIOS 2.8 ■ SMBIOS 3.1 ■ PCI FW 3.2 ■ Plug and Play (PnP)

Management

Software	<ul style="list-style-type: none"> ■ SuperDoctor® 5, NMI, SUM, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog
System Management Software	<ul style="list-style-type: none"> ■ IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
Power Configurations	<ul style="list-style-type: none"> ■ +12V DC Power Input

PC Health Monitoring

Voltage	<ul style="list-style-type: none"> ■ VBAT, Monitors CPU voltages, +12V, Memory Voltages
LED	<ul style="list-style-type: none"> ■ UID/Remote UID ■ Power LED
Other Features	<ul style="list-style-type: none"> ■ Control of power-on for recovery from AC power loss ■ ACPI power management

Список деталей

