

## B11SCG-CTF (For SuperServer Only)

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### Key Features

1. Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor  
Single Socket LGA-1151 (Socket H4) supported, CPU TDP support Up to 95W TDP

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2. Intel® C246

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3. Up to 128GB Unbuffered ECC UDIMM, DDR4-2666MHz, in 4 DIMM slots

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4. 1 PCI-E 3.0 x16 slots (16/NA or 8/8)  
1 M.2 M-Key SATA/PCI-E 3.0 x4, 2280/22110

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

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# Specifications

## Product SKUs

<b>MBD-B11SCG-CTF</b>	<ul style="list-style-type: none"> <li>■ B11SCG-CTF</li> </ul>
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## Physical Stats

<b>Form Factor</b>	<ul style="list-style-type: none"> <li>■ Proprietary</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>■ 4.8" x 12.6" (12.19cm x 32cm)</li> </ul>

## Processor

<b>CPU</b>	<ul style="list-style-type: none"> <li>■ Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor</li> <li>■ Single Socket LGA-1151 (Socket H4) supported, CPU TDP supports Up to 95W TDP</li> </ul>
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## System Memory

<b>Memory Capacity</b>	<ul style="list-style-type: none"> <li>■ 4 DIMM slots</li> <li>■ Up to 128GB ECC UDIMM, DDR4-2666MHz</li> </ul>
<b>Memory Type</b>	<ul style="list-style-type: none"> <li>■ 2666/2400/2133MHz SDRAM 72-bit,</li> </ul>
<b>DIMM Sizes</b>	<ul style="list-style-type: none"> <li>■ 8GB, 16GB, 32GB</li> </ul>
<b>Memory Voltage</b>	<ul style="list-style-type: none"> <li>■ 1.2V</li> </ul>
<b>Error Detection</b>	<ul style="list-style-type: none"> <li>■ Corrects single-bit errors</li> <li>■ Detects double-bit errors (using ECC memory)</li> </ul>

## On-Board Devices

<b>Chipset</b>	<ul style="list-style-type: none"> <li>■ Intel® C246</li> </ul>
<b>IPMI</b>	<ul style="list-style-type: none"> <li>■ ASPEED AST2500</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>■ ASPEED AST2500 BMC</li> </ul>
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>■ Dual LAN, Two(2)10GbE Ethernet ports from KR interface to BP</li> </ul>

## Input / Output

<b>SATA</b>	<ul style="list-style-type: none"> <li>■ 2 SATA3 (6Gbps) port(s)</li> </ul>
<b>DOM</b>	<ul style="list-style-type: none"> <li>■ 1 SATA <u>DOM</u> (Disk on Module) power connector support</li> </ul>
<b>TPM</b>	<ul style="list-style-type: none"> <li>■ 1 TPM Header</li> </ul>

## Expansion Slots

<b>PCI-E</b>	<ul style="list-style-type: none"> <li>■ 1 PCI-E 3.0 x16 slots (16/NA or 8/8)</li> </ul>
<b>M.2</b>	<ul style="list-style-type: none"> <li>■ M.2 Interface: 1 SATA/PCI-E 3.0 x4</li> <li>■ Form Factor: 2280/22110</li> <li>■ Key: M-Key</li> </ul>

## System BIOS

<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>■ 128MB SPI Flash EEPROM with AMI BIOS</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>■ ACPI 6.1</li> <li>■ UEFI 2.7</li> <li>■ SMBIOS 2.8</li> <li>■ Plug and Play (PnP)</li> </ul>

## Management

<b>Software</b>	<ul style="list-style-type: none"> <li>■ NMI, <u>SUM</u>, <u>SPM</u>, <u>SSM</u>, <u>IPMI2.0</u>, Watchdog</li> </ul>
<b>System Management Software</b>	<ul style="list-style-type: none"> <li>■ IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support</li> </ul>

## PC Health Monitoring

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

## Parts List

Parts List (Bulk Package)			
Name	Part Number	Qty	Description
Motherboard	MBD-B11SCG-CTF	1	B11SCG-CTF Motherboard
SuperBlade	SBI-4119MG-X	--	SBI-4119MG-X Motherboard

### Server (Optimized for B11SCG-CTF)

Server Name
<u>SBI-4119MG-X</u>

