

D3060

Intel® Xeon® 6 Server Motherboard



D3060GB2N-1G



D3060GB2N-10G

SPECIFICATIONS

Form Factor

SSI CEB, 12" x 10.5"

Processor

Single Intel® Xeon® 6700E-series, 6500P-series and 6700P-series processor, TDP up to 350W

Memory

(8) DDR5 DIMM slots, 8 channels (1DPC), RDIMM/RDIMM-3DS/MRDIMM

- Max. Frequency:

RDIMM: 6400MT/s

MRDIMM: 8000MT/s

- Max. Capacity per DIMM: 256GB (RDIMM), 64GB (MRDIMM)

* MCRDIMMs are only supported with Intel® Xeon® 6 P-core series processors

Expansion Slots

(4) PCIe 5.0 x16 slots (one slot only functional with R1S CPU)

(6) PCIe 5.0 x8 MCIO 8i connectors (four connectors only function with R1S CPU)

Networking

(2) 10G Base-T Ethernet Ports

(Intel® X710AT2 with NCSI supported) (D3060AGB2N-10G)

(2) 1000Base-T Ethernet Ports

(Intel® i210AT with NCSI supported) (D3060GB2N-1G)

* Only one NCSI LAN port can access the BMC at a time

Storage

(2) 2280/22110 PCIe 5.0 x2 NVMe M.2 ports

(3) SlimlineSAS 4i for 12 SATA3.0 drives

RAID

NVMe RAID 0/1/5/10 support (Intel® VROC RAID key required)

Server Management

(1) 1000Base-T Dedicated Server Management port
ASPEED AST2600 with AMI MegaRAC based firmware supporting IPMI 2.0 and DMTF Redfish API

Single-Socket Intel® Xeon® SSI CEB Server Motherboard

The D3060 is a server motherboard based on the SSI CEB form factor, supporting a single-socket Intel® Xeon® 6500/6700 series processor. Designed for cost-efficient, mainstream deployments, it is ideal for both workstation and general-purpose server applications across different SKUs.

Key features include up to four PCIe 5.0 x16 slots, dual 10GBase-T LAN ports, and a 2.1-channel audio port. The board also offers one M.2 2230 A-E key slot for Wi-Fi 6/7

Single BIOS and dual BMC

Graphics

(1) D-Sub 15-pin port from the integrated AST2600 BMC

Security

Chassis intrusion (header on board)

Optional TPM2.0 module (header on board)

USB

(2) USB 3.2 Gen 1 Type-A ports

(1) 20pin-header for 2 ports USB3.0

Rear I/O Ports

(2) 10G Base-T Ethernet ports (D3060AGB2N-10G)

(2) 1000Base-T Ethernet ports (D3060GB2N-1G)

(1) 1000Base-T Dedicated Server Management Port

(2) USB 3.2 Gen 1 Type-A Ports

(1) VGA D-Sub Port

(1) COM Port

(3) 3.5 mm Audio Jacks (Vertical Stack: Line-in/Line-out/Mic-in) (D3060AGB2N-10G)

(1) UID LED Button

Internal I/O

(1) M.2 2230 A-E key for Wi-Fi 6/7 module (D3060AGB2N-10G)

(1) 20pin-header for 2x USB3.0 (1) Buzzer

(1) Chassis Intrusion Header

(3) I2C headers to support storage BP (1) IPMB headers

(1) GPIO header (1) PMBus header

(1) 80 port header for debug card

(3) 4-pin PWM FAN header (2) 8-pin PWM FAN header

Power Connector

(1) 24-pin ATX power connector

(2) 8-pin for ATX 8-pin power connector

Environmental

Operating Temperature: 0°C ~ 40°C (32°F ~ 104°F)

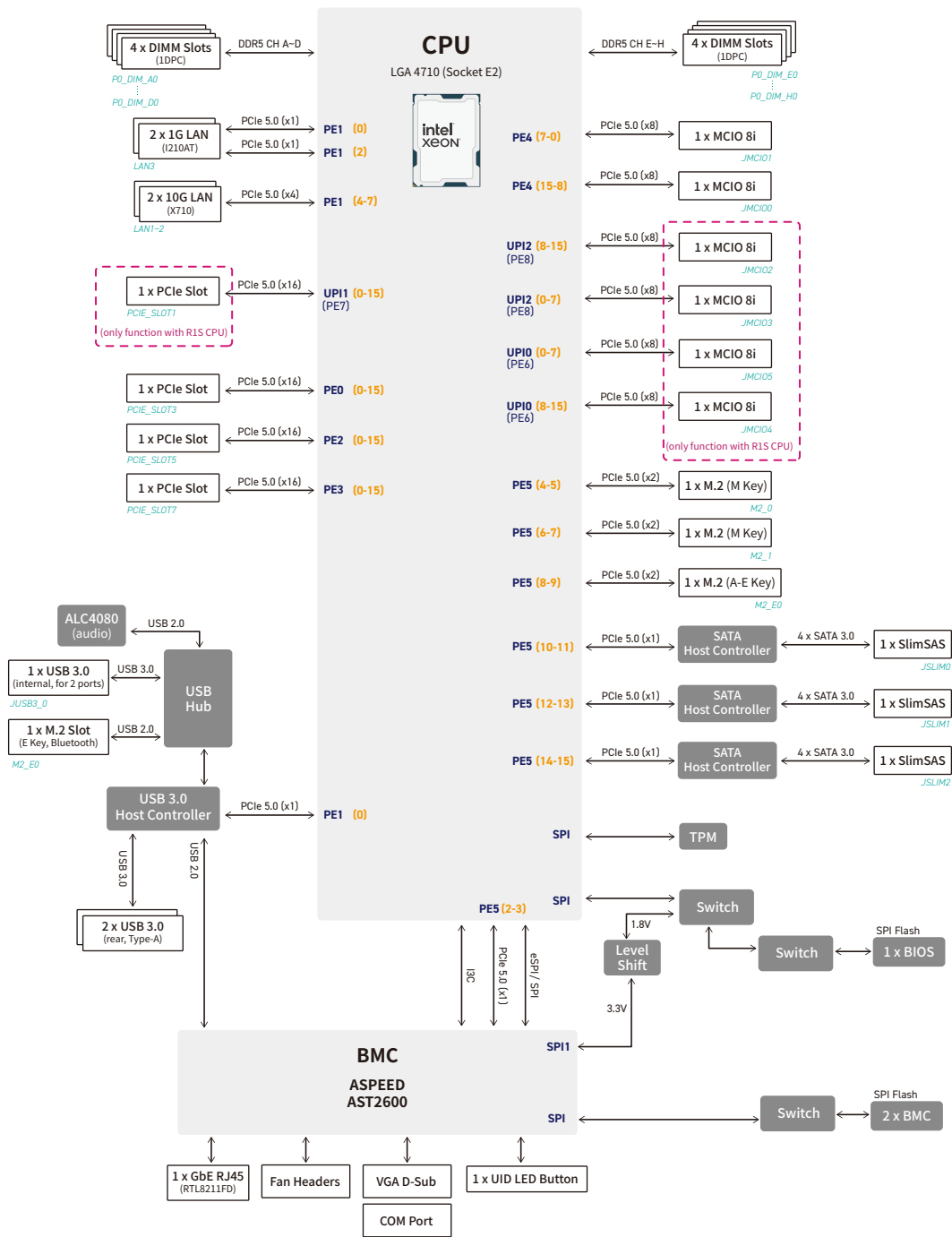
Non-operating Temperature: -20°C ~ 70°C (-4°F to 158°F)

Non-operating Relative Humidity: 5% to 85% (non-condensing)

Regulatory

FCC (Class A), CE

D3060 Motherboard Block Diagram



SKU TABLE

SKUs	D3060AGB2N-10G	D3060GB2N-1G
Networking	(2) 10G Base-T Ethernet ports	(2) 1000Base-T Ethernet ports
Audio/WiFi	(1) 2.1 ch audio (1) M.2 WiFi slot	N/A



Specifications are subject to change without notice. Please visit our website for the latest information.

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