

# D1500

Intel® Xeon® 6300 Server Motherboard



D1500GB4N-10G-HE



D1500GB2N-1

## Intel Xeon Single-Socket Entry Server Motherboard

- Standard uATX motherboard
- (1) Intel Xeon E-2400 and 6300 processor with TDP up to 95W
- (4) DDR5-4800 DIMM slots (2 memory channels)
- (1) PCIe Gen 5x16 slot for best-in-class graphic & video creation and editing
- Onboard 10GBase-T Ethernet

## Applications

Private cloud, email server, object storage server, web-hosting, edge computing, CAD (Computer Assisted Design), backup system application, small office/home office server

## SPECIFICATIONS

### Form Factor

9.6" x 9.6" Micro ATX

### Processor

Single Intel® Xeon® E-2400 and 6300 processor, up to TDP 95W  
Intel® Pentium® G7400/G7400T, TDP up to 46W

### Socket

(1) Intel Socket LGA1700

### Memory

(4) DDR5 DIMM slots, 2DPC, ECC/non-ECC UDIMM  
- Max. Frequency: 4800MT/s (1DPC), 3600MT/s (2DPC)  
- Max. Capacity per DIMM: 32GB

### Chipset

Intel C266 PCH (D1500GB4N-10G-HE SKU)  
Intel C262 PCH (D1500GB2N-1G SKU)

### Expansion Slots

(1) PCIe 5.0 x16 slot from CPU  
(1) PCIe 4.0 x8 slot (x4 signal) from CPU

### Networking

(2) 10G RJ45 ports  
(Intel® X710AT2) (only D1500GB4N-10G-HE)  
(2) GbE RJ45 ports (Intel® I210AT)

\* JLAN1,2, JLANCONN1 (L) support NCSI, only one NCSI LAN port can be enabled at a time

### Storage

#### D1500GB4N-10G-HE:

(1) SlimSAS 4i for (1) PCIe4.0 x4 NVMe or (4) SATA3.0  
(1) SlimSAS 4i for (1) PCIe3.0 x4 NVMe or (4) SATA3.0  
(2) SlimSAS 4i for (2) PCIe4.0 x4 NVMe  
(2) M.2 2280/22110 PCIe4.0 x4 (one shares link with one SlimSAS 4i)

#### D1500GB2N-1G:

(1) SlimSAS 4i for (1) PCIe4.0 x4 NVMe or (4) SATA3.0

(1) SlimSAS 4i for 4 x SATA3.0

(1) M.2 2280/22110 PCIe4.0 x4

### Video

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

### USB

(7) USB3.2 Gen1 ports  
(The internal Type A port is USB2.0 in D1500GB2N-1G SKU)

### TPM

(1) TPM header with SPI interface

### Server Management

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

### Rear I/O Ports

(2) 10GBase-T Ethernet Ports (D1500GB4N-10G-HE only)  
(2) 1000Base-T Ethernet Ports  
(1) 1000Base-T Dedicated Server Management Port  
(4) USB3.2 Gen1 Type-A Ports  
(1) VGA D-Sub Port (1) COM DB9 Port (1) UID LED Button

### Environmental

Operating Temperature: 0°C ~ 40°C  
Non-operating Temperature: -20°C ~ 70°C  
Non-operating Relative Humidity: 5% ~ 85% (non-condensing)

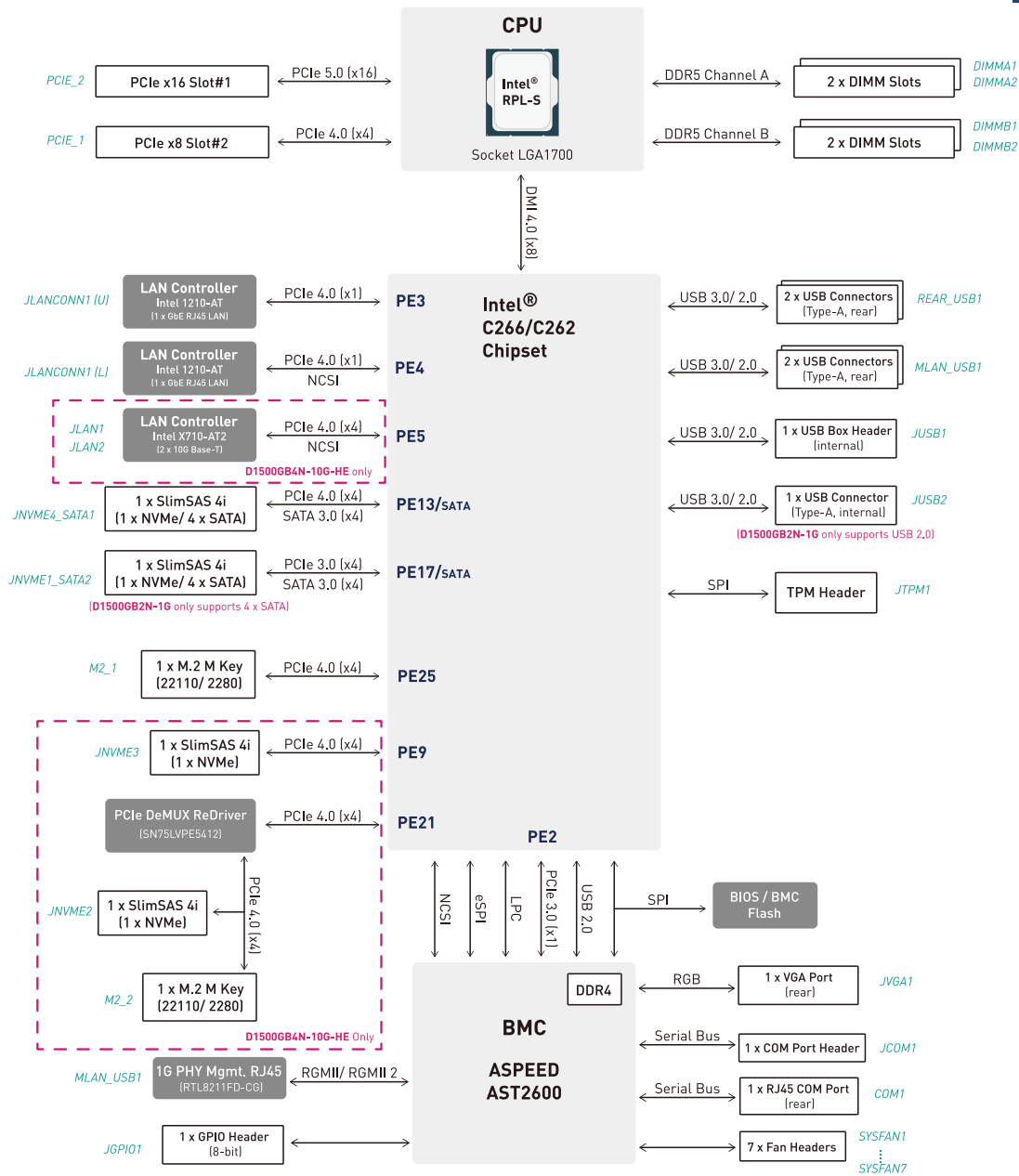
### Package Contents

(1) Quick guide  
(1) D1500 motherboard  
(1) I/O shield  
(1) Slimline-4i to (4) 7-pin SATA fanout cable

### Optional Parts

TPM2.0 module: TPM20-IR

# D1500 Motherboard Block Diagram



## SKU TABLE

SKU	D1500GB4N-10G-HE	D1500GB2N-1G
PCH	C266	C262
Storage	(1) SlimSAS 4i for (1) PCIe4.0 x4 NVMe or (4) SATA3.0 (1) SlimSAS 4i for (1) PCIe3.0 x4 NVMe or (4) SATA3.0 (2) SlimSAS 4i for (2) PCIe4.0 x4 NVMe (2) M.2 2280/22110 PCIe4.0 x4 (one shares link with SlimSAS 4i)	(1) SlimSAS 4i for (1) PCIe4.0 x4 NVMe or (4) SATA3.0 (1) SlimSAS 4i for 4 x SATA3.0 (1) M.2 2280/22110 PCIe4.0 x4
Networking	(2) 10GBase-T RJ45 ports (Intel® X710AT2) (2) GbE RJ45 ports (Intel® I210AT)	(2) GbE RJ45 ports (Intel® I210AT)



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

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