

D1500

Intel Xeon E-2400 Server Motherboard



D1500GB4N-10G-HE

Intel Xeon Single-Socket Entry Server Motherboard

- Standard uATX motherboard
- (1) Intel Xeon E-2400 processor with TDP up to 95 W
- (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



D1500GB2N-1G

SPECIFICATIONS

Form Factor

9.6" x 9.6" Micro ATX

Processor

Single Intel® Xeon® E-2400 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) and 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) [D1500GB4N-10G-HE only]
(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 slimline 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

RAID

Intel® SATA RAID 0/1/10/5

Video

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

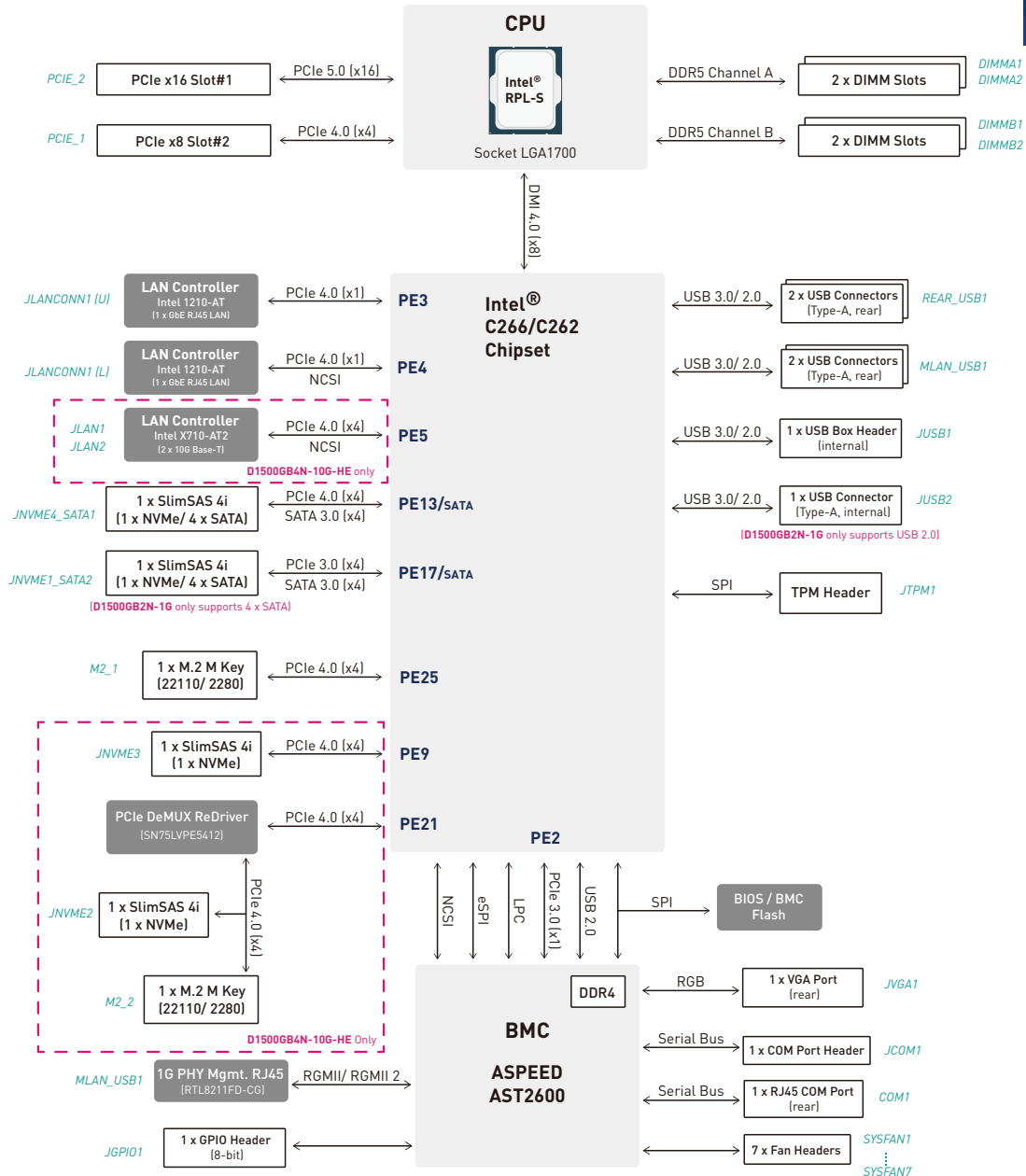
Package Contents

(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

SKUs	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 one slimline 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) 10GbBase-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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