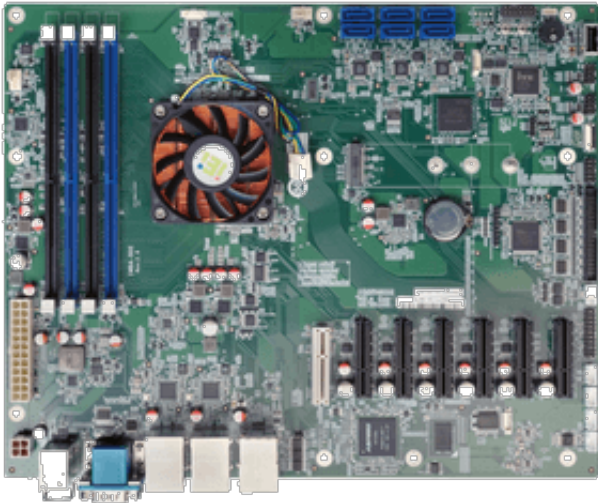


IMBA-BDE

ATX motherboard supports 14nm Intel® Xeon® D1500 family



Features

- » Intel® Xeon processor D-1500 product family
- » Dual-channel 2133 MHz DDR4 up to 128 GB (ECC SO-DIMM, UDIMM, RDIMM)
- » 10 GbE LAN supported
- » Support PCI Express generation 3.0 at 8GT/s I/O bandwidth
- » High speed interface for USB 3.0 and SATA 6Gb/s
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

| | |
|-----------------------|---|
| BIOS | |
| BIOS | AMI BIOS |
| CPU Cooler | |
| CPU Cooler | 1 x CPU smart fan (1 x 4 pin) |
| | 1 x System smart fan (1 x 4 pin) |
| Dimensions | |
| Dimensions | 244mm x 305mm |
| Environment | |
| Humidity | 5% ~ 95%, non-condensing |
| Operating Temperature | 0°C ~ 60°C |
| Storage Temperature | -10°C ~ 70° |
| I/O Interface | |
| Digital I/O | 8-bit digital I/O (2 x 5 pin) |
| Display | 1 x VGA (up to 1920 x 1200 @60 Hz) |
| Ethernet | LAN1&2: Intel® I210-AT PCIe controller |
| | LAN3&4: Inphi CS4227 PHY (optional) |
| Expansion | 1 x 10GbE LAN card slot |
| | 1 x M.2 connector (M key, 2242~2280, SATA & PCIe x2 signal) |
| | 1 x PCIe x4 Gen 2 |
| | 5 x PCIe x4 Gen 3 |
| I/O Interface | |
| I/O Interface | 1 x SMBus(1 x 4 pin) |
| | 1 x KB/MS(Internal, 1 x 6 pin) |
| | 1 x Internal RS-232/422/485(2 x 5 pin, P=2.54) |
| | 1 x Internal USB 2.0(180° Type-A) |
| | 1 x RS-232(External) |
| | 4 x USB 3.0(External) |
| | 2 x USB 2.0(External) |
| | 4 x Internal RS-232(2 x 5 pin, P=2.54) |
| | 4 x Internal USB 2.0(2 x 4 pin, P=2.54) |
| | 1 x KB/MS(External) |
| | 2 x LAN LED(1 x 2 pin) |

| | |
|---------------------------------------|---|
| | 1 x Front panel(2 x 7 pin, power LED, HDD LED, speaker, power button, reset button) |
| | 6 x SATA 6Gb/s(RAID 0/1/5/10 supported) |
| | 1 x I ² C(I ² C (1 x 4 pin)) |
| I/O Interface | |
| Other On-board Devices and Interfaces | 1 x TPM (2 x 10 pin) |
| Power | |
| Power consumption | 3.3V@0.11A, 5V@2.83A, 12V@3.97A |
| | (Intel® Xeon D-1548 2.0GHz CPU with 32GB (four 4 GB) 2133MHz DDR4 memory) |
| Power Supply | ATX power supply, ATX/AT mode support |
| System | |
| CPU | Intel® Xeon® processor D-1500 product family |
| | Intel® Xeon® processor D-1548 (up to 8-core, 12M cache, TDP=45W) |
| | Intel® Xeon® processor D-1518 (up to 4-core, 6M cache, TDP=35W) |
| Memory Max. | Four 288-pin 2133 MHz dual-channel DDR4 SDRAM unbuffered DIMMs support up to 128 GB |
| Watchdog Timer | |
| Watchdog Timer | Software programmable supports 1~255 sec. system reset |
| Weight | |
| Weight | GW: 1200g / NW: 700g |

Ordering Information

| | |
|--------------------|--|
| IMBA-BDE-D1548-R10 | ATX Motherboard supports 14nm Intel® Xeon® D-1548, DDR4, VGA, Dual Intel GbE/ Dual 10GbE, Four USB 3.0, Six SATA 6Gb/s, HD Audio and RoHS |
| IMBA-BDE-D1518-R10 | ATX Motherboard supports 14nm Intel® Xeon® D-1518, DDR4, VGA, Dual Intel GbE/ Dual 10GbE, Four USB 3.0, Six SATA 6Gb/s, M.2, HD Audio and RoHS |

Packing List

| | |
|------------------------------------|-------------------|
| 1 x IMBA-BDE single board computer | 1 x I/O shielding |
| 2 x SATA cable | 1 x QIG |