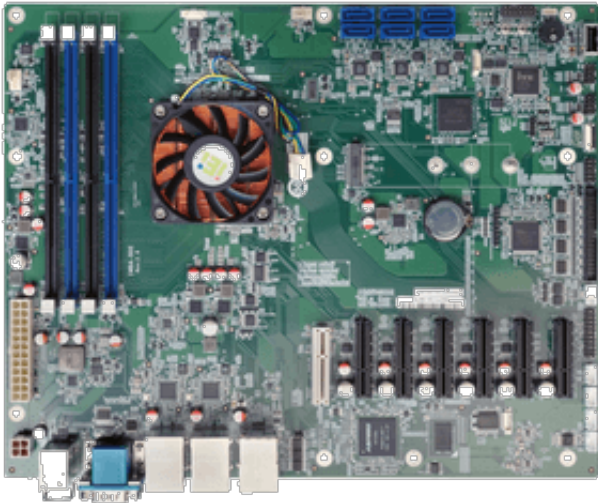


# IMBA-BDE

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 <sup>2</sup> C(I <sup>2</sup> C (1 x 4 pin))
<b>I/O Interface</b>	
Other On-board Devices and Interfaces	1 x TPM (2 x 10 pin)
<b>Power</b>	
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
<b>System</b>	
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
<b>Watchdog Timer</b>	
Watchdog Timer	Software programmable supports 1~255 sec. system reset
<b>Weight</b>	
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