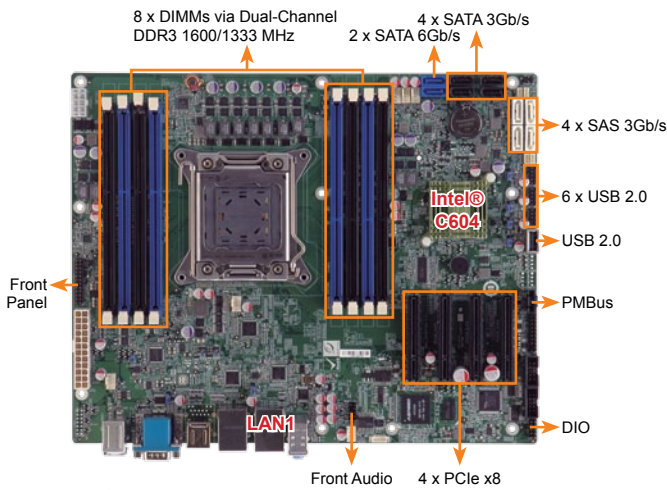


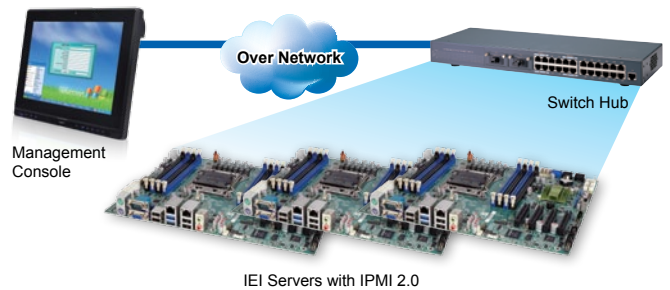
IMBA-C604EP

ATX Server Board Supports 32nm LGA2011 Intel® Xeon® E5 Series up to 8 Cores CPU with Intel® C604, DDR3, VGA, Dual Intel® PCIe GbE, PCIe Gen 3.0, SAS 3Gb/s, SATA 6Gb/s, SATA 3Gb/s, USB 2.0 and Audio



Server management platform with universal processor

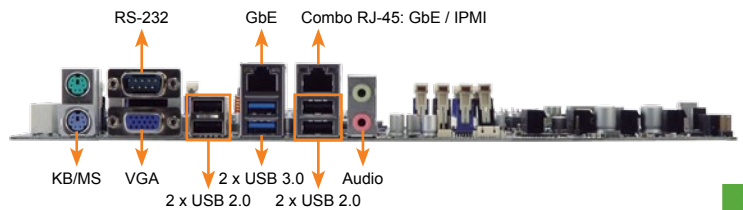
New



Server management features are supported by IPMI & iKVM protocols

Specifications

- ◆ CPU
LGA2011 socket supports Intel® Xeon® E5-16xx, E5-26xx, E5-46xx series (up to 8 cores) processor
- ◆ System Chipset
Intel® C604
- ◆ Memory
Eight 240-pin 1600/1333MHz dual-channel DDR3 SDRAM UDIMMs w/ ECC or non-ECC/RDIMMs/LRDIMMs supported (system max. 64GB w/ UDIMMs, 128GB w/ RDIMMs, 256GB w/ LRDIMMs)
- ◆ BIOS
UEFI BIOS
- ◆ Ethernet
Dual Intel® 82574L PCIe controller
- ◆ Server Management
1 x RJ-45 for Intelligent Platform Management Interface (IPMI) v.2.0
IPMI 2.0 with virtual media over LAN and iKVM-over-LAN support
- ◆ Graphics Engine
ASPEED AST2300
PCIe VGA/2D controller, 1920x1200@60Hz 32bpp
- ◆ Display Output
1 x VGA (driver form AST2300)
- ◆ Super I/O
Fintek F81866
- ◆ Audio
Realtek ALC662 HD audio codec (Line-out, Mic)
- ◆ I/O Interface
2 x USB 3.0 (2 on rear) 11 x USB 2.0 (4 on rear, 6 by pin header, 1 by type A)
1 x RS-232 (on rear I/O) 4 x SATA 3Gb/s (RAID 0/1/10/5 support)
1 x PS/2 KB/MS 2 x SATA 6Gb/s (RAID 0/1/10/5 support)
4 x SAS 3Gb/s (RAID 0/1/10 support)
- ◆ Front Panel
1 x Front panel connector (power LED, HDD LED, LAN LED, speaker, power button, reset button)
- ◆ Front Audio
2 x 5-pin header
- ◆ TPM
2 x 10-pin header
- ◆ SMBus
1 x 4-pin wafer
- ◆ I2C
1 x 4-pin wafer
- ◆ PMBus
1 x 5-pin box header
- ◆ Expansions
4 x PCIe x8 slots
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O
8-bit Digital I/O (4-bit input / 4-bit output)
- ◆ Fan Connector
1 x 4-pin CPU fan connector
5 x 4-pin system fan connector
- ◆ Power Supply
ATX/AT power supply
- ◆ Power Consumption
Vcore_12V@5.86A, 12V@1.03A, 5V@1.72A, 3.3V@1.01A, 5VSB@0.47A (Intel® Xeon® E5-2658 2.1GHz with four 1333 MHz 4 GB DDR3 memory)
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Operating Humidity
5% ~ 95%, non-condensing
- ◆ Dimensions
244 mm x 305 mm
- ◆ Weight
GW: 1200g/NW: 700g



Features

1. High performance LGA2011 Xeon® E5 series CPU (up to 8 cores) supported
2. Increased channel counts by 4 channels of 2 DIMMs per channel with DDR3 1600/1333MHz support up to 64GB w/ UDIMMs, 128GB w/ RDIMMs and 256GB w/ LRDIMMs
3. Server management features are supported by IPMI & iKVM protocols
4. Integrated PCI Express Gen 3 for improved bandwidth and connectivity support up to 40 lanes at 8GT/s
5. Intel® Matrix RAID supports 0/1/10/5 for SATA and 0/1/10 for SAS hard drive interfaces
6. VGA display output driver form on-board IC via AST1300 for all Xeon® E5 series CPU
7. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x IMBA-C604EP single server board computer	
1 x I/O shielding (P/N: 45014-0039C0-00-RS)	1 x Mini jumper pack
4 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
IMBA-C604EP-R10	ATX server board supports 32nm LGA2011 Intel® Xeon® E5 series up to 8 cores CPU with Intel® C604, DDR3, VGA, dual Intel® PCIe GbE, PCIe Gen 3.0, SAS 3Gb/s, SATA 6Gb/s, SATA 3Gb/s, USB 2.0, HD Audio and RoHS
CB-USB02-RS	Dual-port USB cable with bracket
32102-000100-200-RS	SATA power cable
CF-2011A-RS	High performance LGA2011 cooler kit, 1U chassis compatible, 130W
CF-2011B-RS	High performance LGA2011 cooler kit, 2U chassis compatible, 130W
TPM-IN01-R11	20-pin Infineon TPM module, SW management tool, firmware V3.17

1. Industrial Computing Solutions
2. Video Capture Solutions
3. Embedded Computing Solutions
4. Automation Control
5. ORing Network Communication
6. Power Supply Peripherals
7. Panel Solutions Introduction