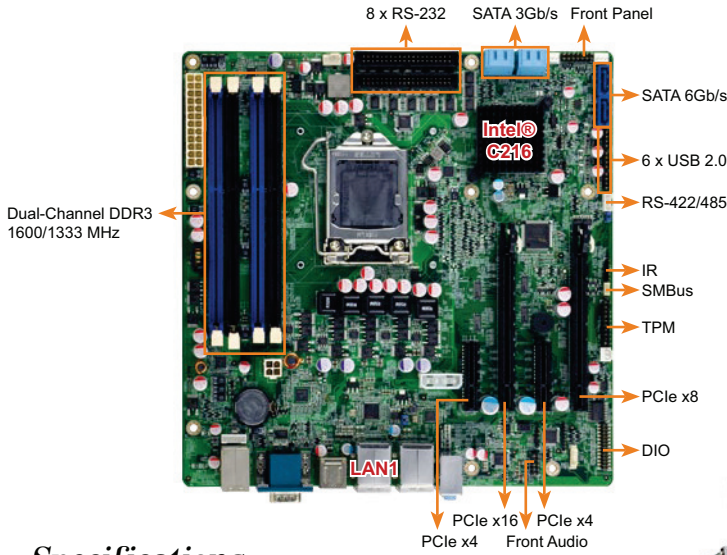


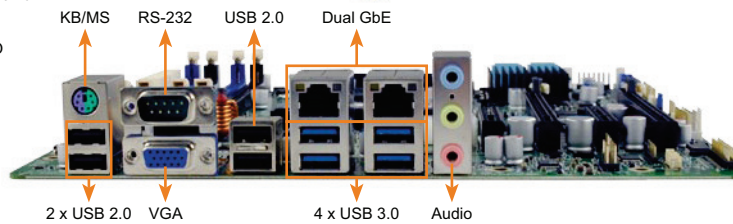
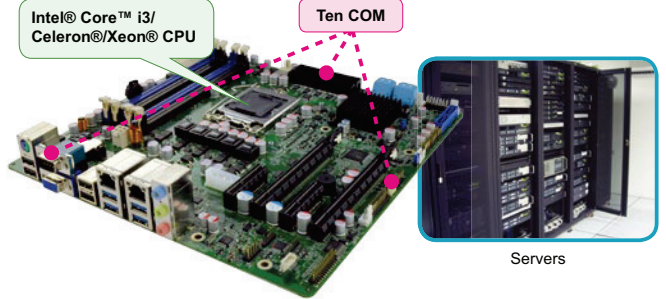
# IMB-C2160

microATX Motherboard Supports 22nm LGA1155 Intel® Xeon® E3/Intel® Core™ i3 CPU with Intel® C216, DDR3, VGA, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, Ten Serial Ports, HD Audio and RoHS



## Ten COM ports in server board

The premium server IMB-C2160 implement rich COM ports and compatible cost-effective Intel Core i3-2120 and Celeron G540 processors. It can fulfill application server and communication server that rich COM ports needed.



## Specifications

- ◆ CPU  
LGA1155 socket supports Intel® Xeon® E3 and Intel® Core™ i3 quad/dual core processors
- ◆ System Chipset  
Intel® C216
- ◆ Memory  
Four 240-pin 1600/1333MHz dual-channel DDR3 SDRAM ECC and non-ECC unbuffered DIMMs supported (system max. 32GB)
- ◆ BIOS  
UEFI BIOS
- ◆ Ethernet  
Intel® 82579 PHY with Intel® AMT 8.0 supported  
Intel® 82574L PCIe controller
- ◆ Graphics Engine  
Supports DX10.1 and OpenGL 3.0  
Full MPEG2, VC1, AVC Decode
- ◆ Display Output  
VGA integrated in the Intel® C216 (up to 2048 x 1536 @75Hz)
- ◆ Super I/O  
Fintek F81866
- ◆ Audio  
Realtek ALC662 HD audio codec (Line-in, Line-out, Mic)
- ◆ I/O interface
  - 9 x RS-232
  - 1 x RS-422/485
  - 4 x USB 3.0 (rear I/O)
  - 10 x USB 2.0 (4 on rear, 6 by pin header)
  - 4 x SATA 3Gb/s
  - 2 x SATA 6Gb/s (RAID 0/1/5/10 support)
  - 1 x PS/2 KB/MS
- ◆ Front Audio  
2 x 5-pin header
- ◆ Front Panel  
1 x Front panel connector (power LED, HDD LED, speaker, power button, reset button)
- ◆ TPM  
2 x 10-pin header
- ◆ SMBus  
1 x 4-pin wafer
- ◆ I2C  
1 x 4-pin wafer
- ◆ Infrared Interface  
1 x 5-pin infrared by pin header
- ◆ Expansions  
1 x PCIe x16 slot  
1 x PCIe x16 slot (with x8 signal)  
2 x PCIe x4 slot
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O  
24-bit Digital I/O (24-bit GPIO is for programming I/O)
- ◆ Fan Connector  
1 x 4-pin CPU fan connector  
2 x 3-pin system fan connector
- ◆ Power Supply  
ATX power supply
- ◆ Power Consumption  
3.3V@0.96A, 5V@4.33A, 12V@3.5A, 12V@2.09A, 5VSB@0.1A  
(3.10GHz Intel® Xeon® CPU with two 1333MHz 4GB DDR3 memory)
- ◆ Operating Temperature  
-10°C ~ 60°C
- ◆ Operating Humidity  
5% ~ 95%, non-condensing
- ◆ Dimensions  
244 mm x 244 mm
- ◆ Weight  
GW: 1200g/NW: 700g

## Features

1. LGA1155 Intel® Xeon® E3 and Intel® Core™ i3 processors supported
2. Dual-channel DDR3 1600/1333MHz supports up to 32GB
3. Intel® PCIe GbE with Intel® AMT 8.0 supported
5. Support PCI-Express generation 3.0 at 8GT/s I/O bandwidth
5. USB 3.0 and SATA 6Gb/s supported
6. Supports much scalable serial ports
7. High-speed interface usage for two PCIe x8/two PCIe x4 add-on cards
8. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Packing List

1 x IMB-C2160 single board computer	
4 x SATA cable (P/N: 32801-000703-200-RS)	1 x Mini jumper pack
1 x I/O shielding (P/N: 45014-0034C0-00-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

## Ordering Information

Part No.	Description
IMB-C2160-R10	microATX motherboard supports 22nm LGA1155 Intel® Xeon® E3/Intel® Core™ i3 CPU with Intel® C216, DDR3, VGA, dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, ten serial ports, HD Audio and RoHS
19800-003100-200-RS	Dual-port USB cable with bracket
32006-000300-100-RS	Male PS/2 KB/MS Y-cable w/o bracket, 12cm(KB)+14cm(MS)
32205-003800-100-RS	RS-422/485 cable, 200mm
32205-001203-100-RS	Quad-port RS-232 cable without bracket, 400/400/400/400mm
32102-000100-200-RS	SATA power cable
19800-000075-RS	PS/2 KB/MS Y-cable with bracket, 6-pin header, 220mm
CF-1156A-RS	High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W
CF-1156B-RS	High performance LGA1155/LGA1156 cooler kit, 95W
CF-1156C-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 45W
CF-1156D-RS	LGA1155/LGA1156 cooler kit, 1U chassis compatible, 65W
TPM-IN01-R11	20-pin Infineon TPM module, SW management tool, firmware V3.17

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