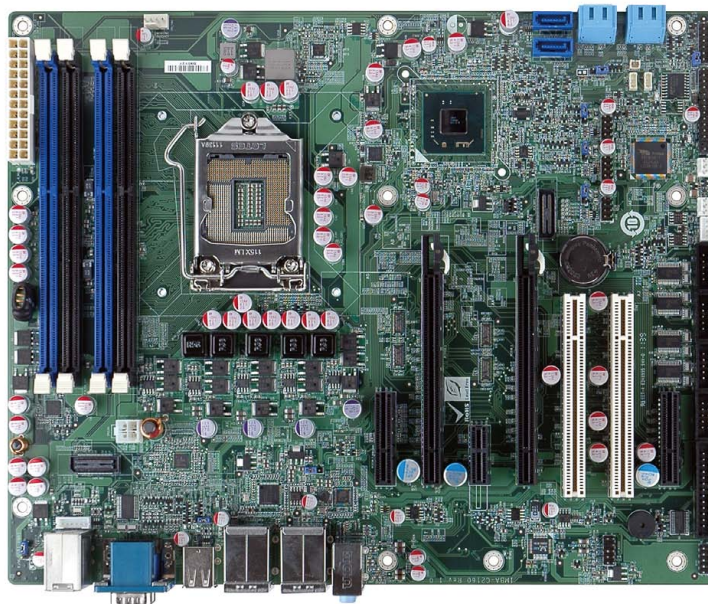


# IMB-C216E Industrial ATX Motherboard

## Features Highlight

- Support LGA1155 Intel® Xeon® E3/ Intel® Core™ i3 Processor
- Intel C216 Chipset
- Four 240-pin DIMMs up to 32GB DDR3 Memory
- Two SATA 6.0Gb/s Ports, Four SATA 3.0Gb/s
- Five RS-232, One RS-422/485 COM Ports
- Two PCIe x16, Two PCIe x4, One PCIe x1, Two PCI Expansion Slots
- Dual Gigabit Ethernet LANs
- Ten USB 2.0 Ports, Four USB 3.0 Ports
- Built-in VGA Port



IMB-216E is a Long-Term supply (3~5 Years) Industrial Motherboard that supports LGA1155 Intel® Xeon® E3/ Intel® Core™ i3 Processor. It comes with Intel C216 chipset, four 240-pin DIMMs DDR3 up to 32GB memory, two SATA 6Gb/s port, four SATA 3Gb/s port, five RS-232, one RS-422/485 COM ports, ten USB 2.0, four USB 3.0, and Two PCIe x16, Two PCIe x4, One PCIe x1 and Two PCI Expansion Slots. The IMB-C216E supports Microsoft Windows and Linux Operating Systems.



**Broadax Systems, Inc.**

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# IMB-C216E Industrial ATX Motherboard

## Specifications

| Specifications               |   |
|------------------------------|---|
| <b>Item No.</b>              | <b>IMB-C216E</b>  |
| <b>CPU</b>                   | LGA1155 socket supports Xeon® E3 and Intel® Core™ i3 quad/dual core processor   |
| <b>Chipset</b>               | Intel® C216 Chipset   |
| <b>BIOS</b>                  | UEFI BIOS   |
| <b>Memory</b>                | 4 x 240-pin DIMMs 1600/1333MHz dual-channel DDR3 SDRAM ECC and non-ECC unbuffered Memory (Max. 32GB)  |
| <b>Display Interface</b>     | <b>Graphics Engine:</b><br>Intel® HD Graphics 2000 / 3000 Supports DX10.1 and OpenGL 3.0, Full MPEG-2, VC1 and AVC Decode<br>VGA integrated in the Intel® C216 (up to 2048 x 1536 @75Hz)  |
| <b>Expansion Slot</b>        | 1 x PCIe x16, 1 x PCIe x16(with x8 signal), 2 x PCIe x4, 1 x PCIe x1, 2 x PCI   |
| <b>Ethernet</b>              | Intel® 82579 PHY with Intel® AMT 8.0 supported<br>Intel® 82574L PCIe controller   |
| <b>I/O Interface</b>         | 5 x RS-232<br>1 x RS-422/425<br>1 x LPT<br>2 x 10-pin header TPM<br>1 x DIO<br>1 x VGA<br>1 x PS/2 KB/MS<br>1 x 6-pin wafer for PS/2 KB/MS<br>10 x USB 2.0, 4 x USB 3.0<br>2 x SATA 6Gb/s (RAID 0/1/5/10 support), 4 x SATA 3Gb/s<br>2 x Gigabit Ethernet Ports<br>1 x Audio (Line-in, Line-out, Mic) |
| <b>Digital I/O</b>           | 8-bit Digital I/O (8-bit GPIO is for programming I/O)   |
| <b>SMBus</b>                 | 1 x 4-pin wafer   |
| <b>Power Supply</b>          | ATX power supply supported  |
| <b>Power Consumption</b>     | 3.3V@1.55A, 5V@3.43A, Vcore@3.12A, 12V@0.20A, 5VSB@0.18A<br>(Intel® Xeon® 2.2GHz CPU with two 1333MHz 4GB DDR3 memory)  |
| <b>Watchdog Timer</b>        | Software programmable supports 1~255 sec. system reset  |
| <b>Operating Temperature</b> | 14°F ~ 140°F (-10°C ~ +60°C)  |
| <b>Relative Humidity</b>     | 5% ~95%, non-condensing   |
| <b>Dimension</b>             | 12" x 9.6" (305 x 244mm)  |



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# IMB-C216E Industrial ATX Motherboard

## Detail Views

