



## ERX-C236KP

Intel® 6/7th Generation Core™ Processor Micro ATX Motherboard With Intel® C236 Chipset

- > Intel® 6/7th Generation Core™ Process (Max. TDP at 95W)
- > Intel® C236 Chipset
- > 4 x 288-pin DDR4 2400MHz DIMM supports up to 64GB (ECC memory supported by CPU)
- > 1 x VGA, 2 x HDMI 1.4
- > 1 x Full size Mini PCI-e support SATA/PCI-e x1 2.0 signal) with SIM card slot
- > 1 x PCI-e x 16, 1 x PCI-e x 4, 2 x PCI
- > 1 x USB 2.0 Type A vertical connector, 2 x USB 2.0 by pin header, 5 x USB2.0, 8 x USB 3.0
- > 8 x RS232 by 2 x 40pin pin header, 2 x RS232/422/485
- > Support RAID 0, 1, 5, 10
- > Onboard Infineon SLB9665 support TPM 2.0
- > ATX Power

### + Spec

| System                       |  |
|------------------------------|--|
| <b>Processor</b>             | Intel® LGA1151 Socket Supports 6/7th Generation Core™ / Intel® Xeon® Process E3-1200 v5/6 Family (Workstation) / Intel® Pentium® / Celeron® Processors (Max. TDP at 95W) |
| <b>System Chipset</b>        | Intel® C236 Chipset  |
| <b>System Memory</b>         | 4 x 288-pin DDR4 2400MHz DIMM supports up to 64GB  |
| <b>I/O Chip</b>              | Nuvoton® NCT6106D  |
| <b>BIOS</b>                  | AMI uEFI BIOS, 128Mbit SPI Flash ROM   |
| <b>Watchdog Timer</b>        | H/W Reset, 5~255 seconds/5~255 minutes   |
| <b>H/W Status Monitor</b>    | CPU temperature monitoring<br>Voltages monitoring<br>CPU fan speed control   |
| <b>TPM Board</b>             | Onboard Infineon SLB9665 support TPM 2.0<br>Micro ATX Board  |
| Expansion                    |  |
| <b>Expansion</b>             | 1 x PCI-e x 16<br>1 x PCI-e x 4<br>2 x PCI 1 x SIM card slot<br>1 x Full Size Mini-PCIe supports SATA/PCI-ex1 2.0 signal   |
| I/O                          |  |
| <b>USB</b>                   | 5 x USB 2.0<br>8 x USB 3.0   |
| <b>SATA</b>                  | 6 x SATA III   |
| <b>COM Port</b>              | 8 x RS232 by 2 x 40pin pin header<br>2 x RS232/422/485   |
| <b>DIO</b>                   | 1 x 16-bit GPIO  |
| <b>MIO</b>                   | 1 x PS/2 Keyboard or 1 x PS/2 Mouse  |
| Display                      |  |
| <b>Chipset</b>               | Intel® 7th Generation CPU integrated<br>HDMI + HDMI + VGA  |
| <b>Resolution</b>            | VGA: 2048 x 1536 @ 50Hz<br>HDMI 1.4: 4096 x 2160 @ 24Hz, 2560 x 1600@60Hz  |
| <b>Multiple Display</b>      | Triple Display   |
| Audio                        |  |
| <b>Chipset</b>               | Realtek ALC662 HD Audio Decoding Controller  |
| <b>Audio Interface</b>       | Line-in, Mic-in, Line-out by Front Audio   |
| <b>Audio Amplifier</b>       | 2 x 3W Amplifier   |
| Ethernet                     |  |
| <b>Chipset</b>               | 1 x Intel® I219LM Gigabit Ethernet PHY, 3 x Intel® I211AT PCI-e Gigabit Ethernet   |
| <b>LAN Port</b>              | 4 x RJ-45  |
| Mechanical & Environmental   |  |
| <b>Power Requirement</b>     | +12V/+5V/5VSB/+3.3V/-12V   |
| <b>ACPI</b>                  | Single power ATX Support S0, S3, S4, S5  |
| <b>Power Type</b>            | AT/ATX   |
| <b>Operating Temperature</b> | 0~60°C (32~140°F)  |
| <b>Storage Temperature</b>   | -40 ~ 75°C   |
| <b>Operating Humidity</b>    | 0%~90% relative humidity, non-condensing   |
| <b>Dimension (L x W)</b>     | 9.6" x 9.6" (243.84mm x 243.84mm)  |
| <b>Weight</b>                | 0.60 kg  |

### + Ordering

ERX-C236KP-A1R  
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