



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 x16, 1 x PCI-e x4, 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 Information | |
|--------------------------------|--|
| Processor | 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) |
| Platform Controller Hub | Intel® C236 Chipset |
| System Memory | 4 x 288-pin DDR4 2400MHz DIMM supports up to 64GB |
| I/O Chipset | Nuvoton® NCT6106D |
| BIOS Information | AMI uEFI BIOS, 128Mbit SPI Flash ROM |
| Watchdog Timer | H/W Reset, 5~255 seconds/5~255 minutes |
| H/W Status Monitor | CPU temperature monitoring Voltages monitoring CPU fan speed control |
| TPM Board | Onboard Infineon SLB9665 support TPM 2.0 Micro ATX Board |
| Expansion | |
| Expansion | 1 x PCI-e x16 1 x PCI-e x4 2 x PCI 1 x SIM card slot 1 x Full Size Mini-PCIe supports SATA/PCI-ex1 2.0 signal |
| I/O | |
| USB Port | 5 x USB 2.0 8 x USB 3.0 |
| COM Port | 8 x RS232 by 2 x 40pin pin header 2 x RS232/422/485 |
| SATA | 6 x SATA III |
| DIO | 1 x 16-bit GPIO |
| MIO | 1 x PS/2 Keyboard or 1 x PS/2 Mouse |
| Display | |
| Graphic Chipset | Intel® 7th Generation CPU integrated HDMI + HDMI + VGA |
| Spec. & Resolution | VGA: 2048 x 1536 @ 50Hz HDMI 1.4: 4096 x 2160 @ 24Hz, 2560 x 1600@60Hz |
| Multiple Display | Triple Display |
| Ethernet | |
| LAN Chipset | 1 x Intel® I219LM Gigabit Ethernet PHY, 3 x Intel® I211AT PCI-e Gigabit Ethernet |
| LAN Port | 4 x RJ-45 |
| Mechanical & Environmental | |
| Operating Temperature | 0~60°C (32~140°F) |
| Storage Temperature | -40 ~ 75°C |
| Operating Humidity | 40°C @ 95% relative humidity, non-condensing |
| Weight | 0.60 kg |
| Power Requirement | +12V/+5V/5VSB/+3.3V/-12V |
| ACPI | Single power ATX Support S0, S3, S4, S5 |
| Power Mode | AT/ATX |
| Dimension (L x W) | 9.6" x 9.6" (243.84mm x 243.84mm) |
| Ordering Information | |
| Ordering Information | ERX-C236KP-A1-01R Intel® 7th Generation Core™ Processor Micro ATX Motherboard With Intel® C236 Chipset (No Audio Function) |