



## 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	
<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>Platform Controller Hub</b>	Intel® C236 Chipset
<b>System Memory</b>	4 x 288-pin DDR4 2400MHz DIMM supports up to 64GB
<b>I/O Chipset</b>	Nuvoton® NCT6106D
<b>BIOS Information</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 Voltages monitoring CPU fan speed control
<b>TPM Board</b>	Onboard Infineon SLB9665 support TPM 2.0 Micro ATX Board
Expansion	
<b>Expansion</b>	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	
<b>USB Port</b>	5 x USB 2.0 8 x USB 3.0
<b>COM Port</b>	8 x RS232 by 2 x 40pin pin header 2 x RS232/422/485
<b>SATA</b>	6 x SATA III
<b>DIO</b>	1 x 16-bit GPIO
<b>MIO</b>	1 x PS/2 Keyboard or 1 x PS/2 Mouse
Display	
<b>Graphic Chipset</b>	Intel® 7th Generation CPU integrated HDMI + HDMI + VGA
<b>Spec. &amp; Resolution</b>	VGA: 2048 x 1536 @ 50Hz HDMI 1.4: 4096 x 2160 @ 24Hz, 2560 x 1600@60Hz
<b>Multiple Display</b>	Triple Display
Ethernet	
<b>LAN 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>Operating Temperature</b>	0~60°C (32~140°F)
<b>Storage Temperature</b>	-40 ~ 75°C
<b>Operating Humidity</b>	40°C @ 95% relative humidity, non-condensing
<b>Weight</b>	0.60 kg
<b>Power Requirement</b>	+12V/+5V/5VSB/+3.3V/-12V
<b>ACPI</b>	Single power ATX Support S0, S3, S4, S5
<b>Power Mode</b>	AT/ATX
<b>Dimension (L x W)</b>	9.6" x 9.6" (243.84mm x 243.84mm)
Ordering Information	
<b>Ordering Information</b>	ERX-C236KP-A1-01R Intel® 7th Generation Core™ Processor Micro ATX Motherboard With Intel® C236 Chipset (No Audio Function)