



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	
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)
System Chipset	Intel® C236 Chipset
System Memory	4 x 288-pin DDR4 2400MHz DIMM supports up to 64GB
I/O Chip	Nuvoton® NCT6106D
BIOS	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 x 16 1 x PCI-e x 4 2 x PCI 1 x SIM card slot 1 x Full Size Mini-PCIe supports SATA/PCI-ex1 2.0 signal
I/O	
USB	5 x USB 2.0 8 x USB 3.0
SATA	6 x SATA III
COM Port	8 x RS232 by 2 x 40pin pin header 2 x RS232/422/485
DIO	1 x 16-bit GPIO
MIO	1 x PS/2 Keyboard or 1 x PS/2 Mouse
Display	
Chipset	Intel® 7th Generation CPU integrated HDMI + HDMI, HDMI + VGA, VGA + HDMI
Resolution	VGA: 2048 x 1536 @ 50Hz HDMI 1.4: 4096 x 2160 @ 24Hz, 2560 x 1600@60Hz
Multiple Display	Triple Display
Audio	
Chipset	Realtek ALC662 HD Audio Decoding Controller
Audio Interface	Line-in, Mic-in, Line-out by Front Audio
Audio Amplifier	2 x 3W Amplifier
Ethernet	
Chipset	1 x Intel® I219LM Gigabit Ethernet PHY, 3 x Intel® I211AT PCI-e Gigabit Ethernet
LAN Port	4 x RJ-45
Mechanical & Environmental	
Power Requirement	+12V/+5V/5VSB/+3.3V/-12V
ACPI	Single power ATX Support S0, S3, S4, S5
Power Type	AT/ATX
Operating Temperature	0~60°C (32~140°F)
Storage Temperature	-40 ~ 75°C
Operating Humidity	0%~90% relative humidity, non-condensing
Dimension (L x W)	9.6" x 9.6" (243.84mm x 243.84mm)
Weight	0.60 kg

+ Ordering

ERX-C236KP-A1R
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