



ERX-Q77

Intel® 2nd/ 3rd Generation Core™ i7/ i5/ i3, Pentium® and Celeron® Processors Micro ATX Motherboard With Intel® Q77 Express Chipset

- > Intel® LGA1155 Socket Supports 2nd/ 3rd Generation Core™ i7/ i5/ i3, Pentium® and Celeron® Processors
- > Intel® Q77 Express Chipset
- > 4 x 240-pin DDR3 1333/1600 MHz DIMM supports up to 32 GB
- > VGA, HDMI, Dual-channel 18/24-bit LVDS
- > Realtek ALC892 Supports 5.1-CH HD Audio Codec
- > TI TPA2012D2RTJT Stereo Class-D 2W x 2 Audio Amplifier
- > 1 x Intel® 82579LM PC-e Gigabit Ethernet PHY
- > 1 x Intel® 82574L PC-e Gigabit Ethernet
- > 1 x PC-e x 16, 3 x PCI
- > 2 x SATA III, 4 x SATA II
- > 4 x USB 3.0, 6 x USB 2.0, 3 x RS-232, 2 x RS-232/422/485, 4 x RS-485

+ Spec

System	
Processor	Intel® LGA1155 Socket Supports 2nd/ 3rd Generation Core™ i7/ i5/ i3, Pentium® and Celeron® Processors
System Chipset	Intel® Q77 Express Chipset
System Memory	4 x 240-Pin DDR3 1333/1600 MHz DIMM supports up to 32 GB
I/O Chip	Nuvoton NTC6776F
BIOS	AMI uEFI BIOS, 64Mbit SPI Flash ROM
Watchdog Timer	H/W Reset: 1sec.~255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control
Expansion	
Expansion	3 x PCI 1 x PC-e x 16
I/O	
USB	6 x USB 2.0 4 x USB 3.0
SATA	2 x SATA III 4 x SATA II
COM Port	3 x RS-232 2 x RS-232/422/485
Other	1 x PS/2 Keyboard 1 x PS/2 Mouse
DIO	1 x 8-bit GPIO
Display	
Chipset	Intel® 2nd/3rd Generation CPU integrated VGA + HDMI, VGA + LVDS, HDMI + LVDS
Resolution	VGA: 2048 x 1536 @ 60Hz HDMI: 1920 x 1200 @ 60Hz LVDS: 1920 x 1200 @ 60Hz
Audio	
Chipset	Realtek ALC892 supports 5.1-CH
Audio Interface	Mic-in, Line-out, Line-in
Audio Amplifier	TI TPA2012D2RTJT Stereo Class-D 2W x 2 Audio Amplifier
Ethernet	
Chipset	1 x Intel® 82579LM 1 x Intel® 82574L
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Type	AT/ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	9.6" x 9.6" (243.84mm x 243.84mm)
Weight	1.35lbs (0.6kg)
Power Requirement	
Power Requirement	+12V/+5V/5Vsb/+3.3V/-12V

+ Ordering

ERX-Q77-A1R
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