



Features

- Intel® LGA1155 Socket Supports 2nd/3rd Generation Core™ i7/i5/i3, Pentium® and Celeron® Processors
- Intel® H61 Express Chipset
- Two 240-pin DIMM Sockets Up to 8GB Dual Channel DDR3 1066/1333MHz SDRAM
- VGA, DVI-D, HDMI
- Realtek ALC661 5.1-CH HD Audio Codec
- Realtek RTL8111E PCI-Express Gigabit Ethernet
- 1 PCI-ex16, 2 PCI-ex1, 1 PCI
- 4 SATA II, 8 USB 2.0

Specifications

System

CPU	Intel® LGA1155 Socket Supports 2 nd /3 rd Generation Core™ i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 65W)
BIOS	AMI UEFI 32Mbit Flash ROM BIOS
System Chipset	Intel® H61 Express Chipset
I/O Chip	Nuvoton NCT5577D
System Memory	Two 240-pin DIMM Sockets Up to 8GB Dual Channel Unbuffered DDR3 1066/1333MHz SDRAM
H/W Status Monitor	Monitoring CPU Temperature and Fan Status with Auto Throttling Control
Expansion	1 x PCI-e x16, 2 x PCI-e x1, 1 x PCI

I/O

MIO	4 SATA II 3.0Gb/s, 1 x S/PDIF-out Header 1 x Keyboard, 1 x Mouse, 1 x RS-232
USB	8 x USB 2.0

Display

Chipset	Intel® HD Graphics Media Accelerator 2000/3000 (Based on CPU Type) Support for DX10.1 and OpenGL3.0
Resolution	VGA: 2048 x 1536 @ 75Hz HDMI: 1920 x 1200 @ 60Hz or DVI-D: 1920 x 1200 @ 60Hz Selection by Jump (The DVI-D Port doesn't Support D-Sub Connection by Adapter)
Dual Display	VGA + DVI-D, VGA + HDMI

Audio

Audio Codec	Realtek ALC661 5.1-CH HD Audio Codec
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

LAN 1	Realtek RTL8111E PCI-Express Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Power Requirement	+12V/+5V/5Vsb/+3.3V
Power Type	ATX
Operating Temperature	0 ~ 50°C (32 ~ 121°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
Size (L x W)	9.6" x 7.28" (244mm x 185mm)
Weight	0.88lbs (0.4kg)



- Embedded System
- Qseven Module
- COM Express /ETX/XTX
- 3.5" SBC
- EPIC
- 5.25" SBC
- ATX
- Micro ATX**
- Mini ITX
- Nano ITX
- Rack Mount System
- Mini ITX System
- Peripherals
- Index

Ordering Information

ERX-H61-A1R

Intel® Core™ i7/i5/i3, Pentium®/Celeron® Micro ATX Motherboard with Intel® H61 Express Chipset and VGA, DVI-D, HDMI, Audio, 1 GbE, 1 PCI-e x16, 2 PCI-e x1, 1 PCI, 4 SATA II, 8 USB 2.0, 1 PS2 K/B, 1 PS2 Mouse, ATX, w/SATA Cable, Bracket/CD Driver