



Features

- Intel® LGA1155 Socket Supports 2nd/3rd Generation Core™ i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 95W)
- Intel® H61 Express Chipset
- Two 240-pin DIMM Sockets Up to 8GB Dual Channel DDR3 1066/1333MHz SDRAM
- VGA, DVI-D, HDMI
- Realtek ALC892 Supports 7.1-CH HD Audio
- Dual Broadcom® 57788 Gigabit Ethernet
- 1 Mini PCI-e, 1 PCI-e x16
- 4 SATA II, 2 USB 3.0, 8 USB 2.0

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

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Specifications

System

| | |
|---------------------------|---|
| CPU | Intel® LGA1155 Socket Supports 2 nd /3 rd Generation Core™ i7/i5/i3, Pentium® and Celeron® Processors (Max. TDP at 95W) |
| 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 Mini PCI-e, 1 x PCI-e x16 |

I/O

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|------------|--|
| MIO | 4 SATA II 3.0Gb/s, 1 x S/PDIF-out Header |
| USB | 2 x USB 3.0, 8 x USB 2.0 |

Display

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|---------------------|---|
| 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 DVI-D: 1920 x 1200 @ 60Hz (The DVI-D Port does't Support D-Sub Connection by Adapter) |
| Dual Display | VGA + DVI-D, VGA + HDMI, DVI-D + HDMI |

Audio

| | |
|------------------------|---|
| Audio Codec | Realtek ALC892 7.1-CH High-Definition Audio Codec |
| Audio Interface | Mic-in, Line-in, Line-out, Center/Subwoofer, Rear R/L, S/PDIF-out |

Ethernet

| | |
|--------------|--|
| LAN 1 | Broadcom® 57788 PCI-Express Gigabit Ethernet |
| LAN 2 | Broadcom® 57788 PCI-Express Gigabit Ethernet |

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) | 6.69" x 6.69" (170mm x 170mm) |
| Weight | 0.88lbs (0.4Kg) |

Ordering Information

EMX-H61-A1R

Intel® Core™ i7/i5/i3, Pentium®/Celeron® Mini ITX Motherboard with Intel® H61 Express Chipset and VGA, DVI-D, HDMI, Audio, 2 GbE, 1 PCI-e x16, 1 Mini PCI-e, 4 SATA II, 2 USB 3.0, 8 USB 2.0, ATX, w/SATA Cable, Bracket/CD Driver