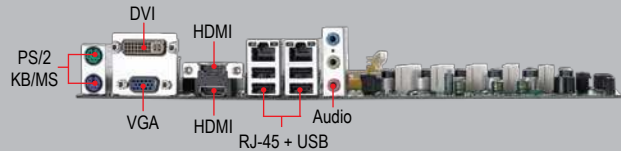


Features

- Intel® Core™ i7/i5/i3 Processor
- 2x HDMI, DVI, VGA display output
- Integrated Graphics or PCI Express x16
- PCI Express x4, 5x PCI slots
- Intel® Matrix Storage Technology supports RAID 0/1/5/10



Specifications

Processor & System

| | |
|-------------------|--|
| CPU | Intel® Core™ i7-2600, 3.4 GHz, 8M Last Level Cache, 32nm, 95W TDP, LGA1155 (4C) Intel® Core™ i5-2400, 3.1 GHz, 6M Last Level Cache, 32nm, 95W TDP, LGA1155 (4C) Intel® Core™ i3-2120, 3.3 GHz, 3M Last Level Cache, 32nm, 65W TDP, LGA1155 (2C) Intel® Pentium® G850, 2.9 GHz, 3MB Cache, 32nm, 65W TDP, LGA1155 (2C) |
| Chipset | Intel® Q67 Express Chipset |
| Memory | 4x 240-pin DIMM sockets Dual-Channel DDR3 1066/1333MHz, up to 16 GB |
| BIOS | AMI 32 Mb SPI BIOS |
| Watchdog Timer | 1-255 sec or 1-255 min software programmable, can generate system reset |
| Hardware Monitor | CPU/System temperature, fan speed and onboard DC voltages |
| Operation Systems | Windows® XP, 7 32/64-bit Fedora™ 14, Red Hat Enterprise Linux 5 |

I/O Interfaces

| | |
|-----------------|--|
| Serial ATA | 2x SATA 6 Gb/s ports 4x SATA 3 Gb/s ports Supports RAID 0/1/5/10 |
| Expansion Slots | 1x PCIe x16, 1x PCIe x4, 5x PCI slots |
| USB | 12x USB 2.0 ports (4x faceplate, 8x onboard pin headers) |
| KB/MS | 2x Mini-DIN for PS/2 keyboard/mouse |
| Parallel Port | 1x LPT |
| Serial Port | 5x RS-232 + 1x RS-232/422/485 |

Audio

| | |
|-------------|---------------------------|
| Audio Codec | Realtek ALC892 |
| Interface | Line-in, Line-out, Mic-in |

Display

| | |
|----------|--|
| Graphics | Intel® HD Graphics integrated in processor |
| VGA | Up to 2048 x 1536 @ 75 Hz (QXGA) |
| DVI | DVI-D |
| HDMI | 2x HDMI Type A |

Ethernet

| | |
|-------------|-------------------------|
| Controller | Intel® 82579LM + 82574L |
| Interface | PCI Express x1 bus |
| iAMT | Supports Intel® AMT 7.0 |
| Wake On LAN | Yes |

Mechanical and Environmental

| | |
|-------------------|----------------------------|
| Form Factor | ATX |
| Dimensions | 305 mm x 244 mm (L x W) |
| Operating Temp. | 0°C to 60°C |
| Storage Temp. | -20°C to 80°C |
| Certifications | CE, FCC Class A |
| Relative Humidity | 10% to 90%, non-condensing |

Ordering Information

| Model Number | Description/Configuration |
|--------------|--|
| M-342 | ATX Intel® Core™ i7/i5/i3 Industrial Motherboard |

Optional Accessories

| Model Number | Description/Configuration |
|-----------------------|---------------------------|
| LGA1156 1U CPU Cooler | LGA1156 1U Thermal Module |
| LGA1156 2U CPU Cooler | LGA1156 2U Thermal Module |
| LGA1156 3U CPU Cooler | LGA1156 3U Thermal Module |

Packing List

| | |
|---------------------------------------|-----------------------|
| M-342 | M-342 I/O shield |
| 1x 2-port COM port cable with bracket | 2x SATA data cables |
| Driver CD | Quick Reference Guide |