



### 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