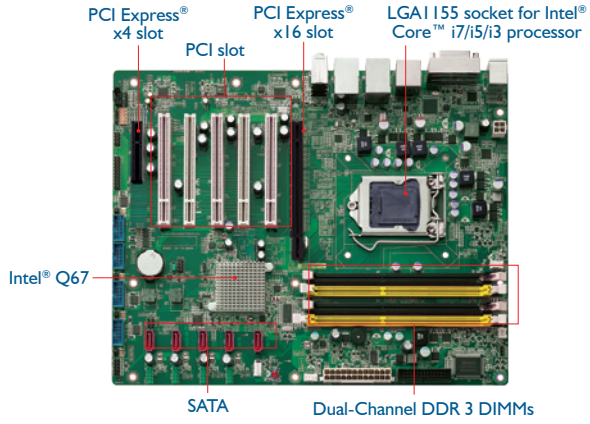
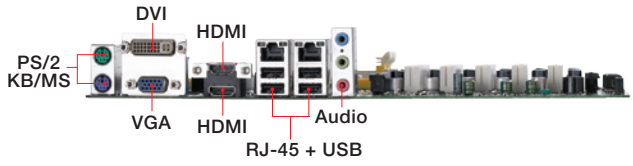
M-342

ATX Intel® Core™ i7/i5/i3/Pentium® Industrial Motherboard





Features

- **3rd Gen Intel® Core™ i7/i5/i3/Pentium®**
- **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™ i7-3770, 3.40 GHz, 8M Cache, 22nm, 77W TDP, LGA1155 (4C)
	Intel® Core™ i5-3550S, 3.0 GHz, 6M Cache, 22nm, 65W TDP, LGA1155 (4C)
	Intel® Core™ i3-3220, 3.30 GHz, 3M Cache, 22nm, 55W TDP, LGA1155 (2C)
	Intel® Pentium® G2120, 3.10 GHz, 3M Cache, 22nm, 55W TDP, LGA1155 (2C)
	Intel® Core™ i7-2600, 3.4 GHz, 8M Cache, 32nm, 95W TDP, LGA1155 (4C)
	Intel® Core™ i5-2400, 3.1 GHz, 6M Cache, 32nm, 95W TDP, LGA1155 (4C)
	Intel® Core™ i3-2120, 3.3 GHz, 3M Cache, 32nm, 65W TDP, LGA1155 (2C)
	Intel® Pentium® G850, 2.9 GHz, 3 MB Cache, 32nm, 65W TDP, LGA1155 (2C)
Chipset	Intel® Q67 Express Chipset
Memory	4x 240-pin DIMM sockets
	Dual-Channel DDR3 1066/1333/1600 (based on CPU), up to 32 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
	Red Hat Enterprise Linux 6.0

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 connector, up to 1920 x 1200 @ 60 Hz
HDMI	2x HDMI Type A connector, up to 1920 x 1200 @ 60 Hz

Ethernet

Controller	Intel® 82579LM + 82574L
Interface	PCI Express x1 bus
iAMT	Supports Intel® AMT 7.0
Wake On LAN	Supptort on LAN1

Mechanical and Environmental

Form Factor	ATX
Dimensions	305mm x 244mm (W x L)
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/Pentium® 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

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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