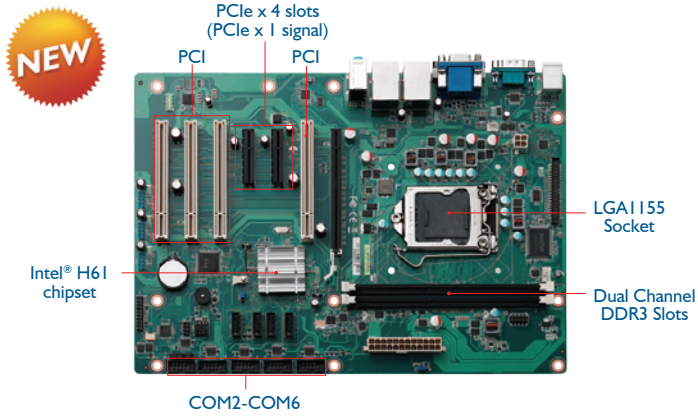
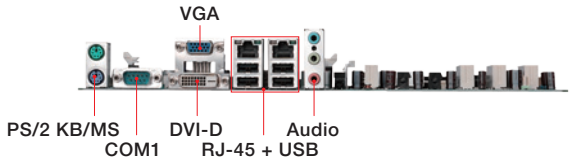
IMB-M40H

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





Features

- 3rd Gen Intel® Core™ processor family
- Intel® H61 Express Chipset supports
- 6x COM ports (including 1x RS-232/422/485)
- 1x PCIe x16, 2x PCIe x1 signal (PCIe x4 slot) and 4x PCI slots
- 16+16 DIO ports

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® Celeron® G1620, 2.7 GHz, 2M Cache, 22nm, 55W TDP, LGA1155 (2C)
	Intel® Celeron® G540, 2.5 GHz, 2M Cache, 32nm, 65W TDP, LGA1155 (2C)
	Intel® Pentium® Dual Core G850, 2.9 GHz, 3M Cache, 32nm, 65W TDP, LGA1155 (2C)
Chipset	Intel® H61 Express Chipset
Memory	2x 240-pin DIMM sockets
	Dual-Channel DDR3 1333/1600 MHz, up to 16 GB
BIOS	AMIBIOS 32Mb SPI BIOS
Watchdog Timer	1-255 sec or 1-255 min software programmable, can generate system reset
Hardware Monitor	CPU/System temperature, CPU fan speed and onboard DC voltages
Operation Systems	Windows® XP/7, 32/64-bit, Fedora 17, Red Hat Enterprise Linux 6.2

I/O Interfaces

Serial ATA	4x Serial ATA ports with 3 Gb/s data transfer rate
Expansion Slot	1x PCIe x16 (support PCIe Gen2)
	2x PCIe x1 (PCIe x1 signal via PCIe x4 slot, support PCIe Gen2)
	4x PCI slots
USB	10x USB 2.0 ports (4x faceplate, 6x onboard pin headers)
KB/MS	2x Mini-DIN for PS/2 keyboard/mouse
DIO	16 in+16 out
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	Resolutions up to 2048 x 1536 @ 75 Hz
DVI	DVI-D, resolution up to 1920 x 1200 @ 60 Hz

Ethernet

Controller	Dual Realtek® RTL8111E Gigabit Ethernet Controller
Interface	PCIe x1 Bus
Wake On LAN	Supptort on LAN1

Mechanical and Environmental

Form Factor	ATX
Dimensions	305 mm x 218 mm (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
IMB-M40H	ATX Intel® Core™ i7/i5/i3/Pentium/Celeron Industrial Motherboard

Optional Accessories

Model Number	Description/Configuration
2U CPU cooler	LGA1156 2U Thermal Module
3U CPU Cooler	LGA1156 3U Thermal Module

Packing List

IMB-M40H	1x I/O shield
2x SATA data cables	Driver CD
Quick Reference Guide	

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