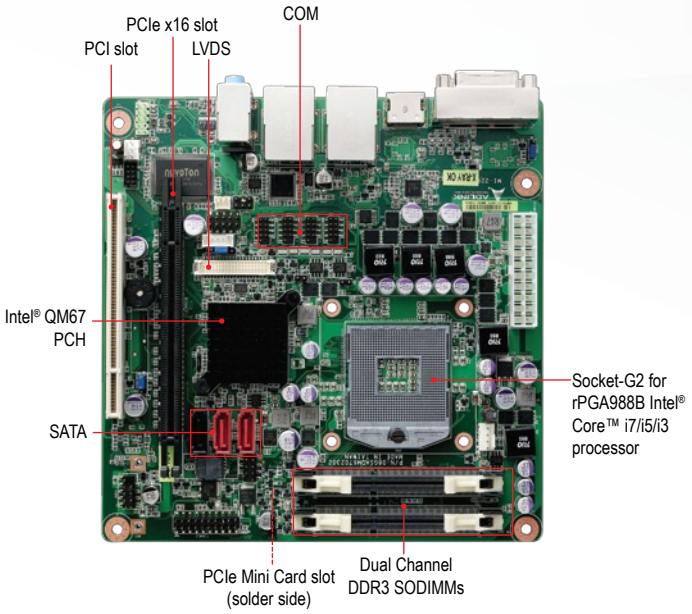
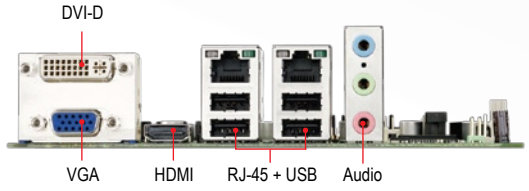
MI-220

Mini-ITX Intel® Core™ i7/i5/i3 Industrial Motherboard



Features

- Intel® Core™ i7/i5/i3 Processor
- HDMI, DVI, VGA display output
- 1x PCI Express x16 + 1x PCI slot
- Intel® Matrix Storage Technology supports RAID 0/1/5/10
- Intel® Active Management Technology 7.0



Specifications

Processor & System

CPU	Intel® Core™ i7-2710QE, 2.1 GHz, 6M Last Level Cache, 32nm, 45W TDP (4C)
	Intel® Core™ i5-2510E, 2.5 GHz, 3M Last Level Cache, 32nm, 35W TDP (2C)
	Intel® Core™ i3-2330E, 2.2 GHz, 3M Last Level Cache, 32nm, 35W TDP (2C)
	Intel® Celeron® B810, 1.6 GHz, 2M Last Level Cache, 32nm, 35W TDP (2C)
Chipset	Intel® QM67 Express Chipset
Memory	2x 204-pin SO-DIMM sockets, vertical type
	Dual-Channel DDR3 1066/1333MHz, up to 8GB
BIOS	AMI 32 Mb SPI flash
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
	1x SATA 3 Gb/s ports
Expansion Slot	1x PCIe x16 slot, 1x PCI slot, 1x PCI Express Mini Card slot
USB	6x USB 2.0 ports (4x faceplate, 2x onboard pin headers)
KB/MS	PS/2 keyboard/mouse by internal pin header
Serial Port	3x 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
VRAM	Shared memory
VGA	Up to 2048 x 1536 @ 60 Hz (QXGA)
DVI	DVI-D, up to 1920 x 1200 @ 60 Hz
HDMI	HDMI Type A, up to 1920 x 1200 @ 60 Hz
LVDS	Dual Channel 24-bit LVDS, up to 1600 x 1200 (UXGA)

Ethernet

Controller	Intel® 82579LM + 82574L
Interface	PCI Express x1 bus
Wake On LAN	Yes

Mechanical and Environmental

Form Factor	Mini-ITX
Dimensions	170 mm x 170 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
MI-220	Mini-ITX Intel® Core™ i7/i5 Industrial Motherboard

Optional Accessories

Model Number	Description/Configuration
PGA988 Cooler	cooler for MI-220, with backplate

Packing List

MI-220	MI-220 I/O Shield
2x SATA data cables	Driver CD
Quick Reference Guide	

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