MIX-220

Embedded Computer System with MI-220 Mini-ITX Embedded Board

Features

- Intel® Core™ i7/i5/i3 Processor
- HDMI, DVI, VGA display output
- 1x PCI Express x16 + 1x PCI slot via riser card
- Two 2.5" SATA drive bays support RAID 0, 1
- FlexATX power supply



Specifications

Processor & System

MI-220 Mini-ITX Intel® Core™ i7/i5/i3 Industrial Motherboard

CPU	Intel® Core™ i7-2710QE, 2.1GHz, 6M L2 Cache, 32nm, 45W TDP
	Intel® Core™ i5-2510E, 2.5GHz, 3M L2 Cache, 32nm, 35W TDP
	Intel® Core™ i3-2330E, 2.2GHz, 3M L2 Cache, 32nm, 35W TDP
	Intel® Celeron® B810, 1.6GHz, 2M L2 Cache, 32nm, 35W TDP
Chipset	Intel® QM67 Express Chipset
Graphics	Intel® HD Graphics integrated in processor
Memory	Dual-Channel DDR3 1066/1333MHz, 2x 204-pin SO-DIMM sockets, up to 8GB

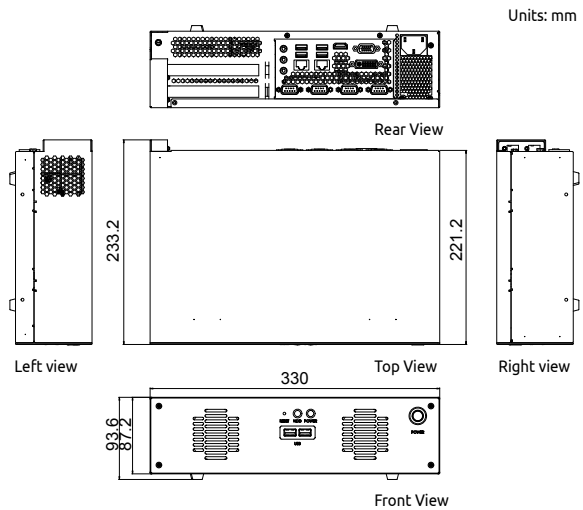
External I/O Interfaces

Expansion	1x PCIe x16 slot, 1x PCI slot,
	1x PCI Express Mini Card slot
Drive Bays	Supports 2x 2.5" SATA 6 Gb/s drives
Display	1x VGA (DB15), 1x DVI-D, 1x HDMI
USB	2x front, 4x rear USB 2.0 ports
Serial	3x RS-232, 1x RS-232/422/485
Ethernet	2x GbE (Intel® 82579LM, 82574L controllers)
Audio	3x 3.5mm jacks for Mic-in, Line-in, Line-out
Antenna	Hole reserved for wireless LAN

Mechanical & Environmental

Dimensions	330 mm x 222 mm x 88 mm (W x D x H)
Operating Temp.	0°C to +50°C
Storage Temp.	-20°C to +75°C
Certifications	CE, FCC Class A
Relative Humidity	10% to 90%, non-condensing
Weight	4.35 kg net (9.6 lbs)

Functional Diagram



Ordering Information

Modules

Model Number	Description/Configuration
MIX-220-I727M8G500-00	MK-122, MI-220, riser 2U-E1S1, 250W PSU, i7-2710QE, 8GB RAM, 500GB HDD
MIX-220-I525M4G250-00	MK-122, MI-220, riser 2U-E1S1, 250W PSU, i5-2510E, 4GB RAM, 250GB HDD
MIX-220-I323M2G250-00	MK-122, MI-220, riser 2U-E1S1, 250W PSU, i3-2330E, 2GB RAM, 250GB HDD
MIX-220-B810M2G250-00	MK-122, MI-220, riser 2U-E1S1, 250W PSU, B810, 2GB RAM, 250GB HDD
MIX-220-NNN-00	MK-122, MI-220, riser 2U-E1S1, 250W PSU, No CPU, No RAM, No HDD
MK-122	Chassis only
2U-E1S1	Riser card
APS-925XU	FlexATX AC 250W PSU

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