

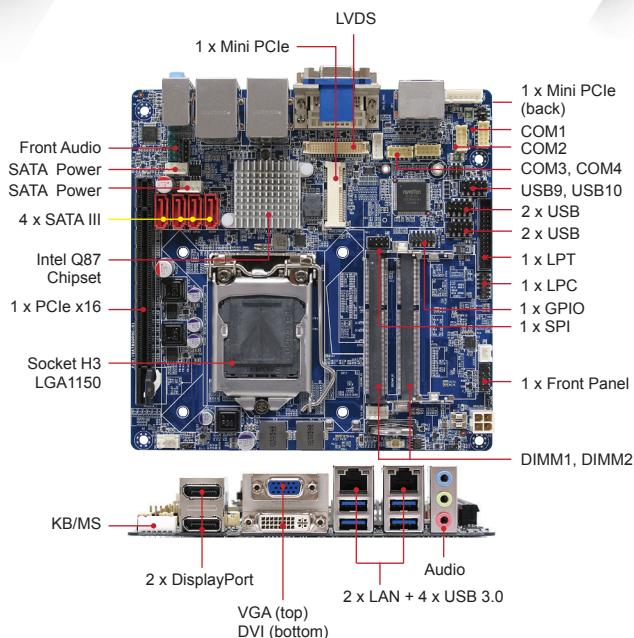
MX87QD

mini-ITX Motherboard

Intel Q87 Mini ITX Motherboard supports 4th Generation Intel Core i7/ i5 / i3 Processors with DC Power

Features

- Intel® Q87 Haswell Platform supports 4th generation Intel® Core™ i7/i5/i3 processors
- Supports 3 independent display
- Video interfaces: 2 x DisplayPort, LVDS, DVI and VGA
- 4 x USB 3.0 and 6 x USB 2.0
- 4 x SATA III
- 4 x COM Ports
- Intel® Active Management Technology 9.0
- Optional TPM 1.2
- Wide Range DC input



Specifications

System

CPU	Socket H3 LGA1150 supports Intel® Haswell Core™ i7, Core™ i5, Core™ i3 Processors up to 65W TDP
Chipset	Intel® Q87 PCH Express Chipset
System Memory	2 x SODIMM slots support up to 16 GB Dual Channel DDR3 1333/1600 MHz system memory
BIOS	UEFI 64Mb SPI BIOS
Expansion	1 x PCIe x16 Slot 1 x Full Size Mini PCI Express (with mSATA support) 1 x Half Size Mini PCI Express (back)
TPM	Optional TPM 1.2
Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU Temperature and Cooling Fan Status. Auto Throttling Control When CPU Overheats

Rear I/O

KB/MS	1 PS/2 Keyboard, 1 PS/2 Mouse
Audio	1 x 3-Jacks Audio connector
USB	4 x USB 3.0
LAN	2 x RJ45
Display	1 x DB-15 VGA, 1 x DVI-D, 2 x DisplayPort

Onboard I/O

LVDS	1 x LVDS and 1 x Inverter
USB	3 x USB Headers (6 Ports)
COM (Serial Port)	3 x RS-232 and 1 x RS-232/422/485
SATA	4 x SATA III
MIO	1 x LPT, 1 x Front Audio, 1 x Amplifier, 1 x Front Panel, 1 x 8-bit GPIO, 1 x 4 Pin CPU Fan, 1 x 4 Pin Chassis Fan, 1 x Socket Type CMOS Battery Holder

Display

Chipset	Intel® Integrated Graphics
Display Output	2 x DisplayPort, 1 x DVI-D, 1 x VGA, 1 x LVDS
Display Capability	Supports 3 Onboard Display

Audio

HD Codec	Realtek® ALC892
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Ethernet

LAN 1	Intel® i217-LM Gigabit Ethernet
LAN 2	Intel® i210-AT Gigabit Ethernet

Mechanical & Environment

Power Requirement	12V or 16V-24V DC-In(Jumper Selectable)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-20 ~ 80°C (-4° ~ 176°F)
Operating Humidity	5%~90% Relative Humidity, Non-condensing
Form Factor	Mini ITX
Dimensions	6.7" x 6.7" (170mm x 170mm)
Weight	0.88lbs (0.4kg)

Ordering Info

MX87QD	Intel Q87 Mini ITX Motherboard with DC Power
Accessory	1 x Dual COM Port Cable with Bracket, 1 x DC-DC extension Cable, 2 x SATA Data Cables, 1 x SATA Power Y Cables, 1 x I/O Shield, 1 x Quick Start Guide
182000000044	2.00mm pitch 11.8" length Parallel cable w/ full height bracket
183000000006	2.00mm pitch 12" length Serial cable
182437200040	2.54mm pitch 14" length Dual port USB cable w/ full height bracket

* All product specifications and images are subject to change without notice.
Last update: 4/6/2017