

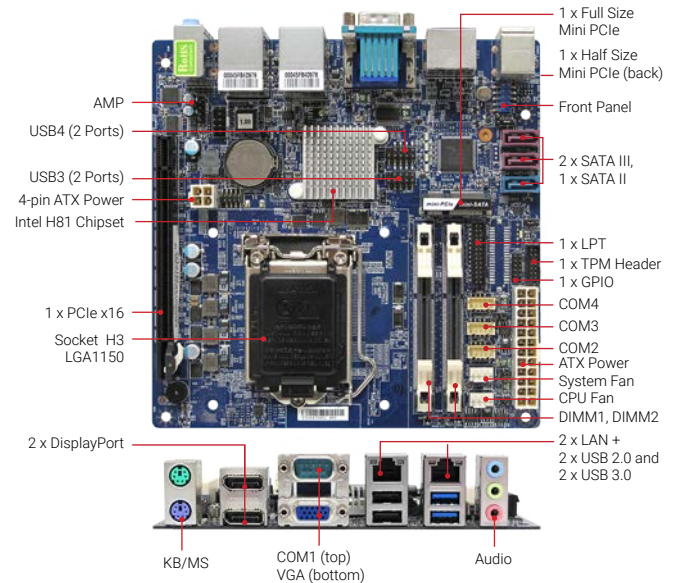
MX81H

mini-ITX Motherboard

Intel H81 Mini ITX Motherboard supports 4th Generation Intel Core i7/ i5/i3 Processors

Features

- Intel® H81 Haswell Platform supports 4th generation Intel® Core i7/i5/i3 processors
- Supports dual display
- Video Interfaces: 2 x DisplayPort, VGA
- 2 x USB 3.0
- 6 x USB 2.0
- 2 x SATA III, 1 x SATA II
- 4 x COM Ports
- 1 x Full size Mini PCIe
- 1 x Half size Mini PCIe on the back



Specifications

System

CPU	Socket H3 LGA1150 supports Intel® Haswell Core™ i7, Core™ i5, Core™ i3 and Celeron® Processors up to 84W TDP
System Chipset	Intel® H81 PCH Chipset
System Memory	Two SODIMM Sockets support up to 16 GB Dual Channel DDR3 1333/1600 MHz system memory
BIOS	UEFI 16Mb SPI BIOS
Expansion	1 x PCI Express x16 1 x Full Size Mini PCI Express 1 x Half Size Mini PCI Express (back)
TPM	Through TPM Pinheader
Watchdog Timer	Reset: 1 sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control

Rear I/O

KB/MS	1 PS/2 Keyboard, 1 PS/2 Mouse
Audio	1 x 3-jacks Audio connector
USB	2 x USB 3.0 and 2 x USB 2.0
COM (Serial Port)	1 x RS-232/422/485
LAN	2 x RJ45
Display	1 x DB-15, 2 x DisplayPort

Onboard I/O

USB	2 x USB 2.0 Connectors (4 Ports)
COM (Serial Port)	3 x RS-232 Headers (with Voltage Selection)
SATA	2 x SATA III (Red) and 1 x SATA II
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 Interfaces	2 x DisplayPort, 1 x VGA
Display Capability	Supports Dual Display

Audio

HD Codec	Realtek® ALC892 HD Audio
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Ethernet

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

Mechanical & Environment

Power Requirement	1 x 24-pin ATX Connector and 1 x 4-pin ATX 12 Connector
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

MX81H	Intel H81 Mini ITX Motherboard
Accessories Included	1 x I/O Shield
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: 7/30/2014