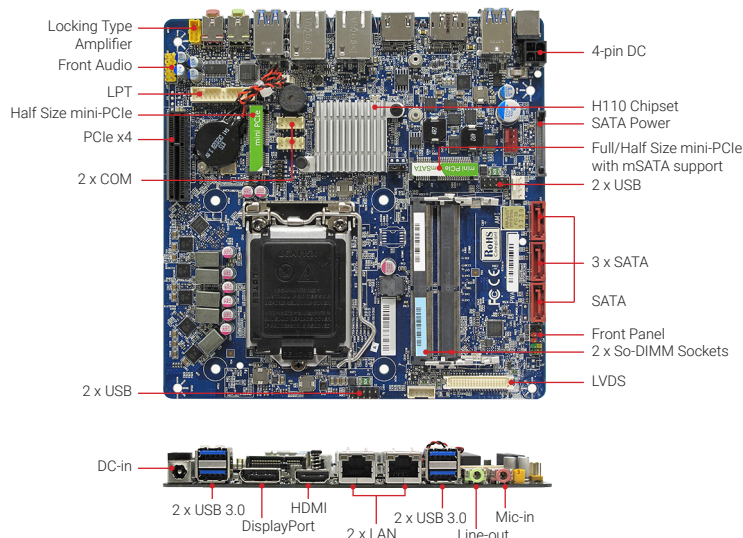


MX110HD

Intel H110 Low Profile Thin mini-ITX motherboard with DC Power Input

Features

- Thin Mini-ITX, Low Profile Design
- Intel LGA1151 socket supports 6th/7th generation 14nm Intel Kaby Lake¹ / Skylake Core i7/i5/i3 and Celeron processors
- Intel® H110 Express Chipset
- 2 x So-DIMM sockets support up to 32 GB DDR4 2133MHz Memory Modules
- 1 x HDMI, 1 x DisplayPort (DP++), 1 x LVDS, Optional eDP
- 3 x SATA III, 2 x COM, 4 USB 3.0, and 4 USB 2.0
- 1 x Full and Half Size mini-PCIe with mSATA Support, 1 x Half-Size mini-PCIe, 1 x PCIe x4
- 12V ~ 24V DC Input, TPM 2.0
- Kaby Lake processors support OS Win 10 and above; support Win 7 with external video cards



Specifications

System	
CPU	Intel LGA1151 socket supports 6th/7th generation 14nm Intel Kaby Lake ¹ / Skylake Core i7/i5/i3 and Celeron processors
System Chipset	Intel® H110 PCH
System Memory	2 x 260-pin So-DIMM sockets support up to 32 GB Dual Channel DDR4 @ 1.2V, 2133MHz Non-ECC memory modules
Audio	Realtek HD Audio support 7.1 channel sound playback
Ethernet	LAN1: Intel® I219 Gigabit Ethernet Controller LAN2: Intel® I210 Gigabit Ethernet Controller
BIOS	AMI UEFI BIOS 16MB (128Mb) Flash ROM
I/O Chip	Nuvoton® NCT6104D or Equivalent
Expansion	1 x PCIe 3.0 x4 Slot 1 x Full/Half Size mini-PCIe with mSATA Support (SATA III) 1 x Half Size mini-PCIe
TPM	TPM 2.0
Watchdog Timer	Reset: 1 sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control
Display	
Chipset	Intel® Integrated HD Graphic
Interfaces	1 x DisplayPort++, 1 x HDMI, 1 x LVDS, Optional eDP
Multiple Display	Supports Dual Display
External I/O	
Audio	Line-out, Mic-in
USB	4 x USB 3.0
LAN	2 x RJ-45 Gigabit LAN
HDMI	1 x HDMI
DisplayPort	1 x DisplayPort (supports DP++)
DC-in	1 x DC-in

Internal I/O	
LVDS	1 x LVDS Header
USB	2 x USB 2.0 Headers (4 Ports Total)
COM	2 x RS-232
SATA	3 x SATA III Connectors
DC-in	1 x 4-pin DC-in
MIO	1 x Front Audio, 1 x Amplifier Locking Type Header, 1 x Front Panel, 1 x Backlight Locking Type Header, 1 x Cable Type CMOS Battery, 1 x 4 Pin CPU Fan Header, 1 x 4 Pin Chassis Fan Header, 1 x 4 Pin DC-In Connector
Mechanical & Environment	
Power Type	12V, 16 - 24V DC
Operating Temp	0°C ~ 60°C
Storage Temp	-20 ~ 60°C
Operating Humidity	5% ~ 80% Relative Humidity, Non-condensing
Storage Humidity	20% ~ 90% Relative Humidity, Non-condensing
Form Factor	Mini ITX
Dimensions	6.7" (L) x 6.7" (W)
Certification Information	CE, FCC Class B
Weight	0.88 lbs

Ordering Info

MX110HD	Intel H110 Low Profile mini-ITX Motherboard with DC Input
Accessory Included	1 x Low Profile I/O Shield, 1 x Regular I/O Shield, 1 x SATA Power Cable

* All product specifications and images are subject to change without notice. Last update: 2020/03/13



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