

Features

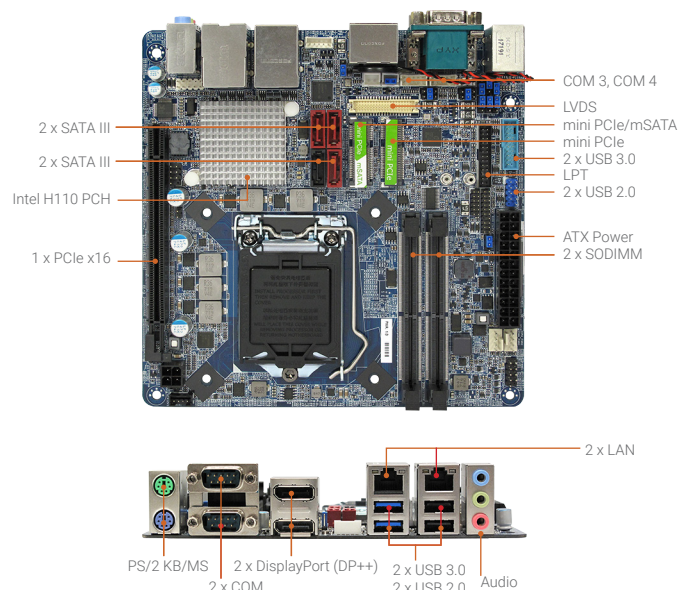
- Intel LGA1151 socket supports 6th/7th generation 14nm Intel Kaby Lake¹ / Skylake Core i7/i5/i3 and Celeron processors
- Intel H110 PCH Chipset
- Support Dual Independent Displays
- 4 x USB 3.0 and 4 x USB 2.0
- 4 x SATA III
- 1 x PCIe x16
- 1 x Full/Half Size Mini-PCle with mSATA Support (SATA III), 1 x Half Size Mini-PCle
- 2 x DisplayPort (DP++) and 1 x LVDS/eDP shared Header
- Optional eDP
- 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 So-DIMM sockets support up to 32 GB Dual Channel DDR4 2133 MHz memory module
Audio	Realtek HD Audio support 7.1 channel sound playback
Ethernet	LAN1: Intel® I219-V PHY Gigabit Ethernet Controller LAN2: Intel® I211-AT PCIe Gigabit Ethernet Controller
BIOS	AMI® UEFI BIOS 16MB (128Mb) Flash ROM
I/O Chip	Nuvoton® NCT6106D
Expansion	1 x PCIe x16 1 x Full/Half Size Mini-PCle with mSATA Support (SATA III) 1 x Half Size Mini-PCle
Watchdog Timer	Reset: 1 sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control
TPM	TPM 2.0

Display	
Graphics Engine	Intel® Integrated Graphic
Display Memory	256MB shared
Interfaces	2 x DisplayPort (supports DP++), 1 x LVDS/eDP shared Header
Multiple Display	Supports 2 Independent Displays

External I/O	
KB/MS	2 x PS/2
Audio	Line-in, Line-out, Mic-in
USB	2 x USB 3.0 and 2 x USB 2.0
COM	1 x RS-232/422/485 and 1 x RS-232
LAN	2 x RJ-45
DisplayPort	2 x DisplayPort (supports DP++)



Internal I/O	
LVDS	1 x LVDS/eDP shared Header 1 x Backlight Locking Type Header
USB	2 x USB 3.0 2 x USB 2.0
COM	2 x RS-232 Headers
SATA	3 x SATA III Connectors (Red) 1 x SATA III Connectors (Shared with mSATA) (Black)
MIO	1 x 8-bit GPIO, 1 x LPT, 1 x LPC, 1 x Backlight Header, 1 x CPU Fan, 1 x System Fan, 1 x Front Audio, 1 x AMP Header, 1 x Front Panel

Mechanical & Environment	
Power Type	ATX
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	
MX110H	Intel H110 mini-ITX Motherboard with ATX Input
Accessory Included	1 x I/O Shield

* All product specifications and images are subject to change without notice. Last update: 2020/12/14