

# MX110HD

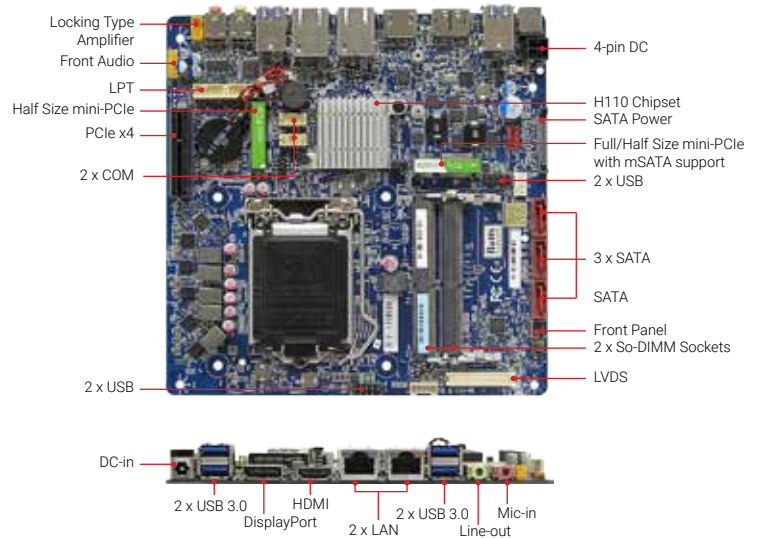
Intel® H110 mini-ITX Motherboard supports 6th/7th Gen Intel® Core i7/i5/i3 Processors

## Features

- Low Profile Design
- Intel LGA1151 socket supports 6th/7th Gen Intel Kaby Lake<sup>1</sup> / Skylake Core i7/i5/i3 and Celeron processors
- Intel® H110 Express Chipset
- 2 x So-DIMM sockets support up to 32 GB DDR4 2133MHz
- 1 x HDMI, 1 x DisplayPort, 1 x LVDS, Optional eDP
- 3 x SATA III, 2 x COM, 4 USB 3.0, and 4 USB 2.0
- TPM 2.0 Onboard (coming soon – see May 10th PCN)
- 1 x Full and Half Size mini-PCIe with mSATA Support, 1 x Half-Size mini-PCIe, 1 x PCIe x4
- 19V DC Input (12V ~ 24V DC Input coming soon – see May 10th PCN)
- 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 <sup>1</sup> / Skylake Core i7/i5/i3 and Celeron processors  <sup>1</sup> Kaby Lake processor support BIOS will be a running change estimated to be in stock starting late Q3/Q4 2017 implementing important new ME code updates. Qual-samples are available now on a limited quantity basis. OS Win 10 and above; support Win 7 with external video cards
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
BIOS	Support for Advanced Configuration and Power Interface (ACPI) setting
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
Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control
Rear I/O	
Display	1 x HDMI, 1 x DisplayPort
USB	4 x USB 3.0
LAN	2 x RJ-45 Gigabit LAN
Audio	Line-out, Mic-in
DC	1 x DC-In Barrel Type Connector
Onboard I/O	
LVDS	1 x LVDS Header
USB	2 x USB 2.0 Headers (4 Ports Total)
COM (Serial Port)	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 LPT (LPT header will be removed soon – see May 10th PCN), 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



### Display

Chipset Intel® Integrated HD Graphic (CPU Dependent)

### Audio

HD Codec Realtek® ALC662 HD Audio

### Ethernet

LAN 1 Intel® i219 Gigabit (10/100/1000 Mb/s) LAN

LAN 2 Intel® i210 Gigabit (10/100/1000 Mb/s) LAN

### Mechanical & Environment

Power Requirement DC-in 19V(2.5mm/ ID, 5.5mm/ OD)/ ATX 4pin 19V

Power Connector DC-In Jack

Operating Temp. 0 ~ 60°C

Storage Temp. -20 ~ 60°C

Operating Humidity 20%~90% Relative Humidity, Non-condensing

Form Factor Mini ITX

Dimensions 6.7" x 6.7" (170mm x 170mm)

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: 5/10/2018



**BCM Advanced Research**

11 Chrysler, Irvine, CA 92618 USA  
An industry leader in industrial motherboards  
& embedded computing

**www.bcmcom.com**

BCMSales@bcmcom.com  
(949) 470-1888