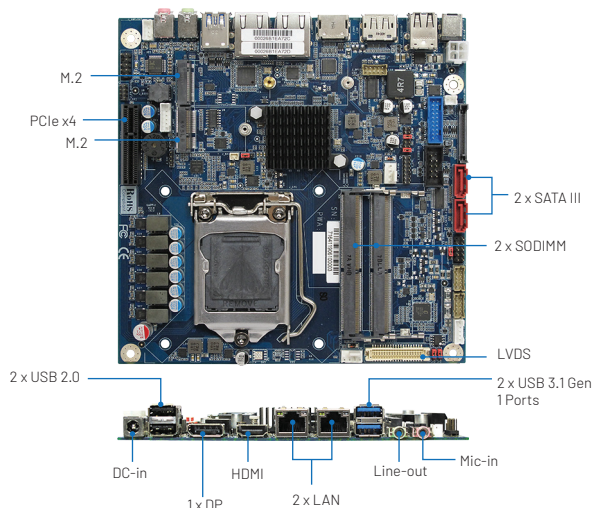


Features

- Socket LGA 1151 supports 8th/9th Generation Intel® Core™/ Pentium®/ Celeron® Processors*
- Intel H310 PCH
- 2 x SODIMM supports up to 32GB Dual Channel DDR4 2400 MHz System Memory
- Rich Expansion Interface: 1 x PCIe x4, 1 x M.2 M-Key 2242/2280, 1 x M.2 A/E-Key 2230
- Supports Dual Display: 1 x HDMI, 1 x DisplayPort (DP++), 1 x LVDS
- 4 x USB 3.1 Gen 1, 4 x USB 2.0
- 2 x COM, 2 x SATA III
- 12V-24V Wide Range DC-In
- TPM 2.0



Specifications

System	
CPU	Supports 8th Gen LGA1151 Intel® Core-i™, Pentium, and Celeron processors* up to 65W DP Supports 9th Gen LGA1151 Intel® Core-i™, Pentium, and Celeron processors* with 6 cores or less & up to 65W TDP Supports 8 Core 9th Gen LGA 1151 Intel® Core-i™ processors* up to 35W TDP *Processor lccMax <= 138A.
System Chipset	Intel® H310 PCH
System Memory	2 x SODIMM Up to 32GB Dual Channel DDR4 2400MHz Horizontal Type Memory Sockets
Audio	Realtek HD Audio support 7.1 channel sound playback
Ethernet	LAN1: Intel® I226-V Ethernet Controller LAN2: Intel® I219-LM Ethernet Controller
BIOS	AMI® UEFI 128Mb SPI BIOS
Expansion	1 x PCIe x4 Slot (Open Ended) 1 x M.2 M-Key 2242/2280 NVMe (PCIe x2, SATA III) 1 x M.2 A-Key/E-Key 2230 (with USB & PCIe x1)
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
Supported OS	Win 10
Display	
Chipset	Intel® Integrated HD Graphic (CPU Dependent)
Multiple Display	Dual Display via HDMI, DisplayPort (supports DP++) and/or LVDS
External I/O	
Display	1 x HDMI, 1 x DisplayPort (supports DP++)
USB	2 x USB 3.1 Gen 1 Ports, 2 x USB 2.0
LAN	2 x RJ45
Audio	1 x Line-out, 1 x Mic-in
DC	1 x DC-in

Internal I/O	
LVDS	1 x LVDS, 1 x Backlight Locking Type Header
USB	1 x USB Headers with Shroud (2 Ports Total) 1 x USB 3.1 with Shroud (2 Ports Total) (Optional OTG on 1 Port)
COM	2 x RS-232 Locking Type Headers
SATA	2 x SATA III Connectors, 1 x SATA Power Connector
MIO	1 x LPC, 1 x SPI, 1 x I2C, 1 x I2S, 1 x Front Audio, 1 x Front Panel, 1 x 8-bit GPIO, 1 x LVDS, 1 x Backlight Locking Type Header, 1 x CMOS Battery, 1 x CPU Fan, 1 x Chassis Fan
Mechanical & Environment	
Power Type	12V-24V Wide Range DC-In
Operating Temp	0°C ~ 60°C (32°F ~ 140°F)
Storage Temp	-20°C ~ 80°C (-4°F ~ 176°F)
Operating Humidity	5% ~ 90% Relative Humidity, Non-condensing
Storage Humidity	5% ~ 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	
MX310HD	Intel® H310, LGA 1151, DDR4 SODIMM, 1 x HDMI, 1 x DP, eDP/LVDS, PCIe x 4, 2 x M.2, 2 SATA III, 2 COM, 4 x USB 3.1, 2 x USB 2.0, 1 x USB Type C, 2 x LAN, 12V-24V DC, No CPU Cooler
Accessories	1 x SATA Power Cable (for 2 Devices), 1 x Full Height I/O Shield, 1 x Half Height I/O Shield
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: 10/24/2022