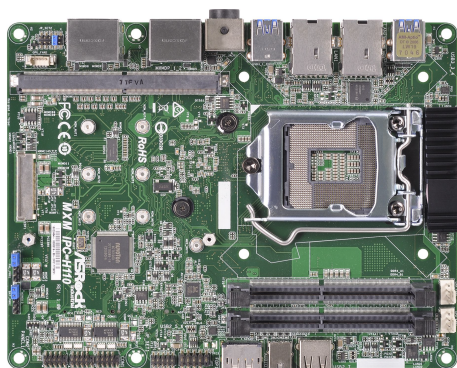


# MXM IPC-H110

Micro-STX Motherboard



## KEY FEATURES

- Supports 7<sup>th</sup>/6<sup>th</sup> Generation (Kabylake-S/Skylake-S) i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors (LGA1151)
- Supports MXM Graphics Card (Type-A or Type-B , Up to 150W)
- Supports DDR4 2400MHz, 2 x SO-DIMM, up to 32GB system memory
- 5 x DisplayPort (1 from CPU, 4 from MXM), 1 x eDP (From CPU)
- 4 x USB 3.0, 3 x USB 2.0, 2 x COM (RS232 only)
- 2 x M.2 (1 x Key E, 1 x Key M)
- 2 x Intel 1 Gigabit LAN
- 1 x TPM Header
- DC 19V Input (220W for GTX1060/1070, 270W for GTX1080)

## SPECIFICATIONS

### Form Factor

Dimensions	Micro-STX (5.8-in x 7.4-in)
------------	-----------------------------

### Processor System

CPU	Intel® 7 <sup>th</sup> / 6 <sup>th</sup> Gen (Kabylake-S/Skylake-S) Core. Processors, up to 65W
Chipset	Intel® H110
Socket	LGA1151
BIOS	AMI SPI 128 Mbit

### Memory

Technology	Dual Channel DDR4 2400 MHz
Capacity	32GB (16 GB per DIMM)
Socket	2 x 260-pin SO-DIMM

### Graphics

Controller	CPU integrated graphics to support 1 x DP + 1 x eDP (Gen9 Intel® Graphics, Support for DirectX 11/12, OpenCL 2.0) - Add on MXM Graphic Card (Type B) to support 4 x DP NVIDIA® GeForce GTX 1060/1070/1080"
HDMI	N/A
DisplayPort	1 x Supports max resolution up to 4K@60Hz (CPU integrated graphics) 4 x Supports max resolution up to 4K@60Hz (MXM Graphics Card)
VGA	1 x Header (Supports max. resolution 1920 x 1200)
LVDS	N/A
eDP	Max resolution up to 4096 x 2304@60Hz
DVI	N/A
MultiDisplay	Hexa Display

### Expansion Slot

mini-PCIe	1x Full size with PCIe x1 and USB 2.0
M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless

### Audio

Interface	Realtek ALC233, High Definition Audio.
-----------	--

### Ethernet

Controller/ Speed	LAN1: Intel® I210 with 10/100/1000 Mbps LAN2: Intel® I219V with 10/100/1000 Mbps
Connector	2 x RJ-45

### Front I/O

DisplayPort	1 (CPU integrated graphics)
USB	1 x USB2.0 Type-A
Audio	1 (Mic-in or Line-out)

### Rear I/O

HDMI	N/A
DisplayPort	4 x DP1.2 (for VGA card)
VGA	N/A
DVI	N/A
Ethernet	2 x 1 Gigabit LAN
USB	4 x USB 3.0
Audio	N/A
COM	N/A
DC Jack	1

### Internal Connector

USB	2 x USB2.0 (1 x 2.54 pitch header)
COM	2 x COM(RS-232)
Parallel	N/A
GPIO	N/A
TPM	TPM Header
eDP	1

### Storage

M.2	1 x M.2 (KEY M, 2242/2260/2280) with PCIe x4 and SATA3 for SSD
mSATA	N/A
SATA	2 x SATA3.0 (6.0 Gb/s)
eMMC	N/A

### Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 Segments, 0, 1, 2, ...255sec

### Power Requirements

Input PWR	19V DC-In Jack (220W for GTX1060/1070, 270W for GTX1080)
Power On	AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready

### Environment

Operating Temp	0°C ~ 60°C
Storage Temp	-40° C ~ 85° C
Operating Humidity	5% ~ 90%
Storage Humidity	5% ~ 90%