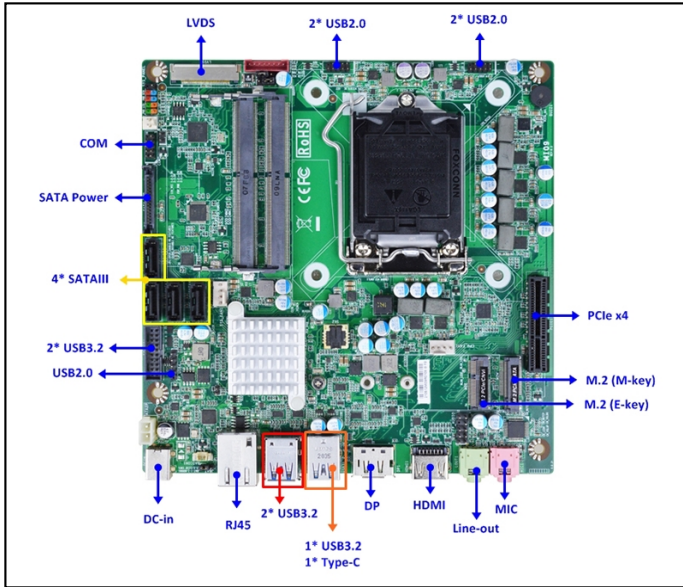


Mini-ITX Motherboard with Intel® LGA1200 10/11th Gen Socket Processor with H470 Chipset



Features

- Powered by Intel® LGA1200 10/11th Gen Socket Processor (Formerly Comet Lake-S, TDP 65W)
- Triple Display Outputs: Supports 1 x 4K DP, 1 x 4K HDMI, and 1 x LVDS
- Storage Expansion: 4 x SATA III, 1 x M.2 M-key (SATA/PCIe)
- Additional Expansion: 1 x M.2 E-key 2230 (PCIe x1/USB 2.0) supporting CNVi, 1 x PCIe x4
- Flexible Connectivity: 3 x USB 3.2 Gen 2, 3 x USB 3.2 Gen 1, 5 x USB 2.0, 1 x RS232/422/485
- Security-Enhanced Design: Includes optional TPM 2.0 support

Packing List

PART NUMBER	DESCRIPTION	QTY
MI09-30 / MI09-32	MI09-30 / MI09-32 M/B	1
F04-MB-085-F	MI09 I/O Shield	1
G01-COM-H2M22-1F	COM Cable	1
G01-PW4PS-2S-322F	SATA Power Cable	1
G01-SATA3-BL-1F	SATA Cable	1

Specifications

SYSTEM	
MB FORM FACTOR	Thin Mini-ITX
CPU	Intel® LGA1200 10/11th Gen Socket Processor (Formerly Comet Lake-S, TDP 65W)
CHIPSET	Intel® H470
MEMORY	2 x DDR4 2933/2666/2400MHz, Dual Channel SO-DIMM, up to 64GB
BIOS	AMI 128Mb Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (Optional)
DIMENSION (W X D)	170.0 (W) x 170.0 (D) mm (6.7" x 6.7")
OS SUPPORT	Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 12-19V
POWER ON MODE	AT / ATX
CONNECTOR	DC Jack
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS (Max. Resolution: 1920 x 1200 @60Hz)
DP	1 x DP (Max Resolution: 4096 x 2304@60Hz)
HDMI	1 x HDMI 1.4 (Max Resolution: 4096 x 2160@30Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
Line-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
LAN	
ETHERNET	1 x RJ45 for Intel® I219-V GbE
USB PORT	
USB	3 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 1 x USB 3.2 Gen 1x1 Type-C (5Gbps) Internal Header for 2 x USB 3.2 Internal Header for 5 x USB 2.0
SERIAL PORT	
COM	Internal Header for 1 x RS-232/422/485
INTERNAL I/O	
ADDITIONAL	1 x Audio Header 1 x AT Mode Selection
STORAGE	
SATA	4 x SATA III 1 x SATA Power Connector
RAID	RAID 0, 1, 5, 10
EXPANSION	
M.2	1 x M-Key 2242/2260/2280 (SATA/PCIe interface) 1 x E-Key 2230 (USB 2.0/PCIe x1) Support CNVi
PCIe	1 x PCIe x4
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5- 500Hz/ Operation
OPERATING TEMPERATURE	0°C ~ 60°C (32°F ~ 140°F)
STORAGE TEMPERATURE	-20°C ~ 85°C (-4°F ~ 185°F)
OPERATING HUMIDITY	10 ~ 90% relative humidity, non-condensing
CERTIFICATION	CE/FCC Class A LVD
ESG DECLARATION	China RoHS EU RoHS REACH

