

MXM IPC Q370-12V

Micro-STX Motherboard

Coming Soon

KEY FEATURES

- Intel® 9th/ 8th Gen (Coffee Lake-S) Core™ Processors with Q370 chipset
- 2 x 260-pin SO-DIMM up to 32GB DDR4 2400 MHz (16GB per DIMM)
- 1 x MXM PCIe x16 (Gen3), 4 x USB 3.1 Gen1, 3 x USB 2.0, 2 x M.2 Key M, 1 x M.2 Key E, 1 x COM, 2 x SATA3
- 2 x Intel Gigabit LAN
- Supports Hexa Display, 5 x DP 1.2, 1 x VGA, 1 x eDP
- TPM Header
- ATX PWR

SPECIFICATIONS

Form Factor

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

Processor System

| | |
|---------|---|
| CPU | Intel® 9 th / 8 th Gen (Coffee Lake-S) Core™ Processors |
| Chipset | Intel® Q370 |
| Socket | LGA1151 |
| BIOS | AMI SPI 128 Mbit |

Memory

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

Graphics

| | |
|--------------|--|
| Controller | Intel® Gen9 Graphics DX 11/12 |
| HDMI | N/A |
| DisplayPort | DisplayPort 1.2, DP++ Max resolution up to 4096x2304@60Hz |
| VGA | Max resolution up to 4096x2160@60Hz |
| LVDS | N/A |
| eDP | eDP 1.4 Max resolution up to 4096 x 2304@60Hz |
| DVI | N/A |
| MultiDisplay | Hexa Display |

Expansion Slot

| | |
|------------|--|
| PCIe | 1 x MXM PCIe x16 (Gen3) Supports NVIDIA Quadro P5000 & GTX Series |
| PCI | N/A |
| mini-PCIe | N/A |
| M.2 | 1 x M.2 (Key E, 2230) with PCIe x1, CNVi and shared USB 2.0 for Wireless |
| SIM Socket | N/A |

Audio

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

Ethernet

| | |
|-------------------|---|
| Controller/ Speed | LAN1: 1 x Intel® I210 with 10/100/1000 Mbps LAN2: 1 x Intel® I219LM with 10/100/1000 Mbps, supports AMT/vPro |
| Connector | 2 x RJ-45 |

Front I/O

| | |
|-------------|----------------------|
| HDMI | N/A |
| DisplayPort | 1 x DP 1.2 |
| USB | 1 x USB 2.0 |
| Audio | 1 (Mic-in, Line-out) |

Rear I/O

| | |
|-------------|--------------------|
| HDMI | N/A |
| DisplayPort | 4 x DP 1.2 |
| VGA | N/A |
| DVI | N/A |
| Ethernet | 2 x 1 Gigabit LAN |
| USB | 4 x USB 3.1 (Gen1) |
| Audio | N/A |
| COM | N/A |
| PS2 | N/A |

Internal Connector

| | |
|-----------------|-------------------------------------|
| USB | 2 x USB 2.0 (2 x 2.54 pitch header) |
| COM | COM1(RS-232) |
| Parallel | N/A |
| GPIO | N/A |
| TPM | TPM Header |
| LVDS | N/A |
| eDP | 1 |
| VGA | 1 |
| SATA PWR Output | N/A |
| Speaker Header | N/A |

Storage

| | |
|-------|--|
| M.2 | 2 x M.2 (Key M, 2242/2260/2280) with PCIe x4 & SATA3 for SSD |
| mSATA | N/A |
| SATA | 2 x SATA3 (6Gb/s) |
| eMMC | N/A |

Watchdog Timer

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

Power Requirements

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|-----------|---|
| Input PWR | 12V DC-In (4-pin plug PWR cable for maximum 200 watt DC input) |
| 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% |