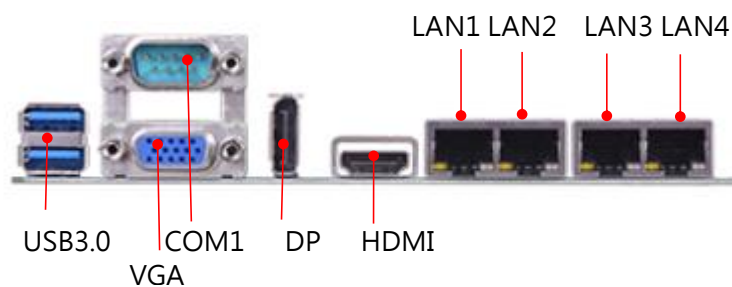
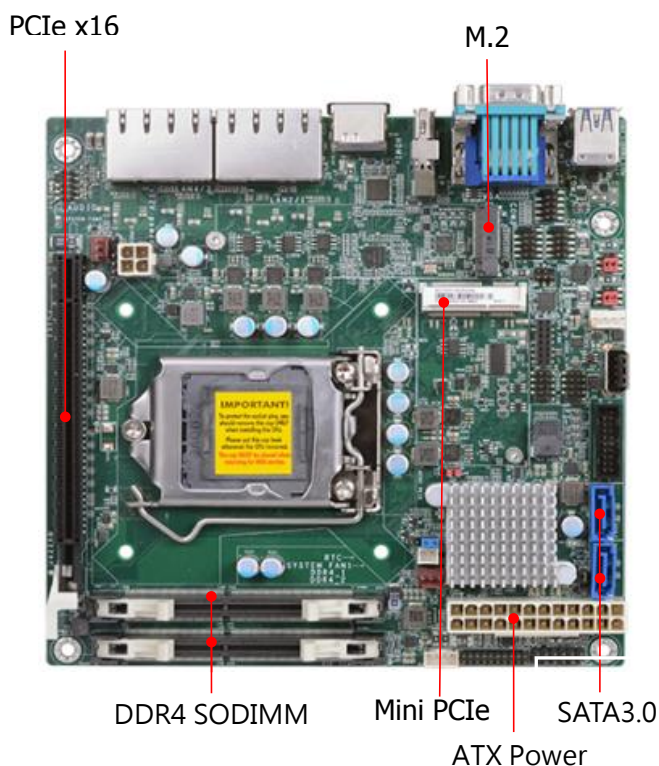


Intel H110 Mini-ITX Support 6th & 7th Intel Core i3/i5/i7/Pentium/
Celeron Processor w/VGA/DP/HDMI/4GbE/4COM/9USB

Specification

| | | | |
|----------------|--|---|--|
| Processor | CPU | 6 th & 7 th Intel Core i3/i5/i7/ Pentium/Celeron Processor | |
| | Socket | LGA1151 | |
| | Chipset | Intel H110 PCH | |
| | BIOS | AMI UEFI | |
| DRAM | Technology | DDR4-1866/2133MHz | |
| | Capacity | 32GB | |
| | Socket | 2 x 260-Pin SO-DIMM | |
| Display | Graphics | Intel HD Gen 9 Graphics | |
| | DVI | N/A | |
| | VGA | 1, Up to 1920 x 1200@60Hz | |
| | DP | 1, Up to 4096 x 2304@60Hz | |
| | HDMI | 1, Resolution Support 4K @24Hz | |
| Multi-Display | 2 Independent displays | | |
| LAN | 4 x Intel GbE LAN (i210AT)or(i211AT) opt | | |
| Audio | 1 x S/PDIF | | |
| | 1 x Front Audio Header (Line-out, Mic-in) | | |
| Watchdog | Programmable from 1 to 255 Sec. | | |
| Storage | SATA | 2 x SATA3.0 | |
| | mSATA | -Full-size Mini PCIe shared mSATA | |
| | M.2 | 2280 M.Key | |
| I/O | Serial | 4 x RS232 (COM1/2w/RS232/422/485) | |
| | USB | 4 x USB3.0 + 5 x USB2.0 | |
| | GPIO | 16bit DIO | |
| | PS/2 | N/A | |
| | TPM | fTPM 2.0/dTPM 2.0 (opt.) | |
| Expansion Slot | PCIe x16 | 1 (Ver:3.0) | |
| | Mini PCIe | 1 (Full-Size) shared with mSATA | |
| Power | Type | ATX Power | |
| Form Factor | 170mm x 170mm (Mini-ITX) | | |
| Environment | Operation Temp& Humidity | -10~60°C/10~90% | |
| | Storage Temp & Humidity | -20~80°C/10~90% | |
| Certification | EMC | CE / FCC | |
| O.S | Skylake :Windows 7 32/64-Bit Windows 8.1 64-Bit/Windows 10 64it/Windows 2008 R2 64bit /Linux (Kernel 4.4+) Kaby Lake: Windows 10 64bit/Linux (Kernel 4.X) | | |



Packing List

| P/N | Spec. |
|-----------|-------------------|
| 920312322 | 1pcs x SATA Cable |
| 920700000 | 1pcs x USB Cable |

Ordering Information

| P/N | 128645001 |
|-------|--|
| Model | SYS86450V4GA |
| Spec. | Intel H110 Mini-ITX support 6 th & 7 th Intel Core i3/i5/i7/Pentium/Celeron w/VGA/DP/HDMI/4GbE/4COM/9USB |

Processor (Optional)

| CPU | i7-7700 | i7-6700T | i7-6700K | i5-7500 | i5-6600 | i5-6500 | i5-6400 | i3-7100 | i3-6100 |
|-------|---------|----------|----------|---------|---------|---------|---------|---------|---------|
| Speed | 3.6GHz | 2.8GHz | 4.0GHz | 3.4GHz | 3.3GHz | 3.2GHz | 2.7GHz | 3.9GHz | 3.7GHz |
| Cache | 8M | 8M | 8M | 6M | 6M | 6M | 6M | 3M | 3M |
| Core | 4C/8T | 4C/8T | 4C/8T | 4C/4T | 4C/4T | 4C/4T | 4C/4T | 2C/4T | 2C/4T |
| TPD | 65W | 35W | 91W | 65W | 65W | 65W | 65W | 51W | 51W |