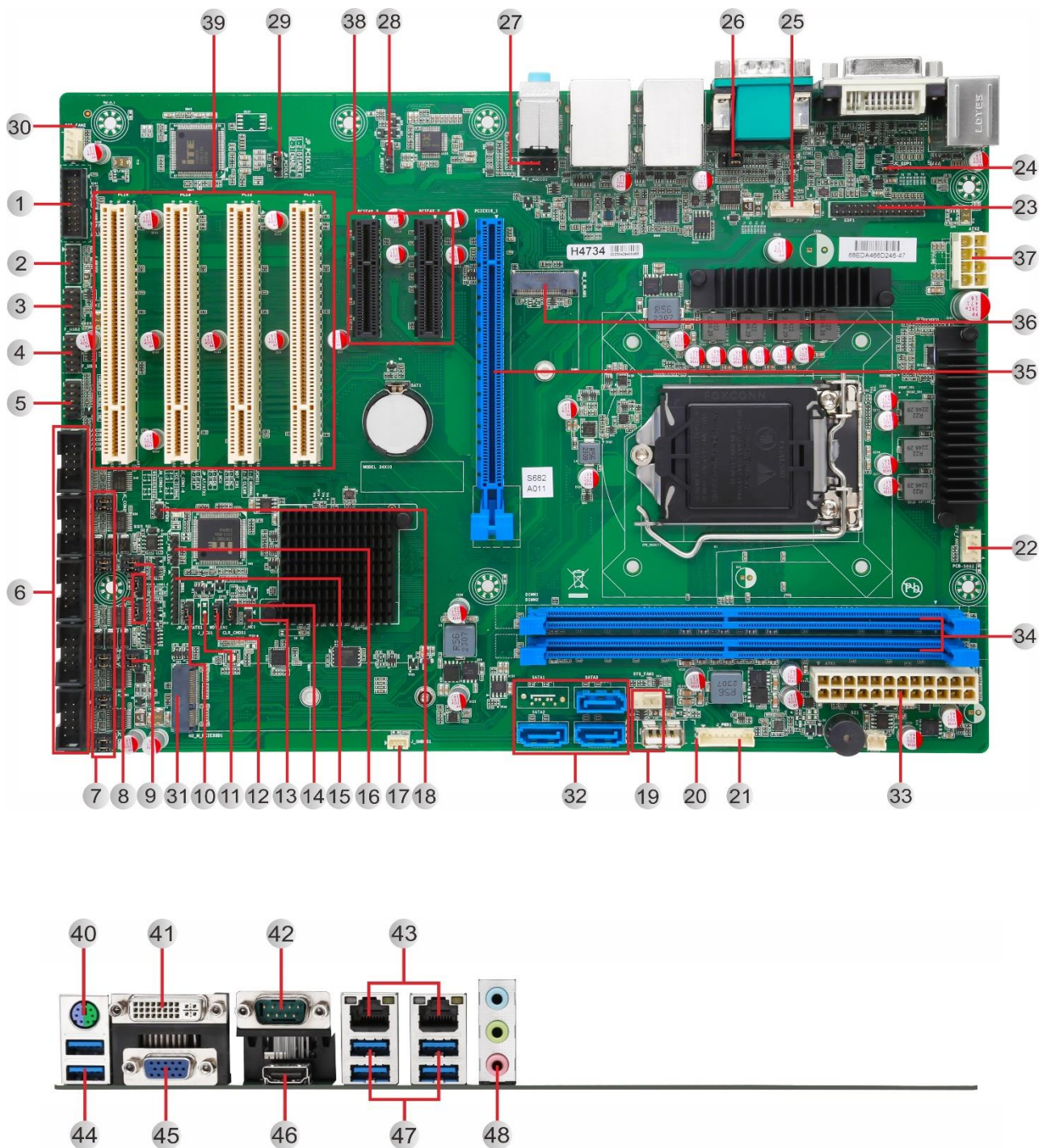


HE-H470-RC Brochure



Specification

Model	HE-H470-RC
CPU	Intel® 10th Generation Core i3/5/7/9, Pentium®, Celeron® Processors, Comet Lake-S, Support MAX CPU TDP: Hexa-Core 65W, Deca-Core 35W
Chipset	Intel® H470, TDP 6W
Display ^[1]	1 * DVI-D(DVI-I): Support DVI-D with max resolution up to 1920x1200@60Hz 1 * HDMI 1.4b (TYPE-A): Support max resolution up to 4096x2160@30Hz 1 * VGA (DB15/F): Support max resolution up to 1920x1200@60Hz 1 * eDP: Support max resolution up to 4096*2304@60Hz
Memory ^[2]	Support DDR4- 2133/2400/2666/2933MHz, 2 * U-DIMM Slot, Up to 64GB
Storage ^[3]	3 * SATA 3.0 Connector (Only Q470 support RST RAID 0,1,5,10) 1 * M.2 Key-M Slot (PCIe 2x/SATA, Default SATA, Support SATA SSD, 2242/2280)
Ethernet	1 * Intel I219-V GBE LAN Chip (RJ45, 10/100/1000 Mbps) 1 * Intel I225-V GBE LAN Chip (RJ45, 10/100/1000 Mbps)
Audio	Realtek Audio HDA Codec, 1 * Line-Out + MIC + Line-In 3.5mm Jack 1 * Front Audio Header (Line-Out + MIC) 1 * SPDIF Out Header
Expansion Slots	1 * PCI-E 16x Slot 1 * M.2 Key-E Slot (PCIe+USB2.0, Support WIFI+ BlueTooth, 2230) 1 * PCIe4X Slot (PCIe 2X, PCIe4X_2) 4 * PCI Slot 1 * PCIe4X Slot (PCIe 4X, PCIe4X_3)
COM	1 * RS232 (COM1, DB9/M) 3 * RS232 (COM2/5/6, BOX Header) 2 * RS232/RS485 (COM3/4, BOX Header)
USB	4 * USB2.0 (Header, Internal) 2 * USB3.0 (BOX Header, Internal) 1 * USB2.0 (TYPE-A, Internal) 6 * USB3.0 (TYPE-A, Rear IO)
Other Ports	8 * GPIO 1 * PS/2 Connector (Keyboard & Mouse) 1 * Front Panel Header 2 * System FAN Header 1 * CPU FAN Header 1 * SMBUS Header 1 * Case Open Header 1 * AT or ATX Select Jumper 1 * Power LED Header
TPM	Supports onboard TPM 1.2/2.0 (optional, not onboard by default)
System	Windows 10(64 bit), Linux
Temperature	Storage: -20~75°C Operating: 0~60°C
BIOS	AMI UEFI BIOS (Support Watchdog Timer)
Power Supply	ATX Standard (24P + 8P) 1 * ATX 8P CPU Power Input Connector 1 * ATX 24P Power Input Connector

Factor

305mm * 220mm

Notes:

[1]: Intel® H420E supports two independent displays. Intel® Q470 support three independent displays.

[2]: The maximum memory frequency depends on CPU.

[3]: M2_M_PCIESSD1 and SATA1 share the same SATA3.0 signal, they can't be accessed simultaneously (support M2_M_PCIESSD1 by default). And Q470 can support them both.

[4]: I219-V doesn't support Intel AMT 12.0 and Intel vPro competent by default.

[5]: M2_M_PCIESSD1 and PCIE4X_1 share PCIE 2x signal, they can't be accessed simultaneously (support PCIE4X_1 by default). PCIE4X_2 and M2_E_WLAN1 share PCIE signal (support M2_E_WLAN1 by default). Q470 can support M2_E_WLAN1 and PCIE4X_2(PCIE-x4) both.

[6]: H420E not support F_USB3 and F_USB2 by default.