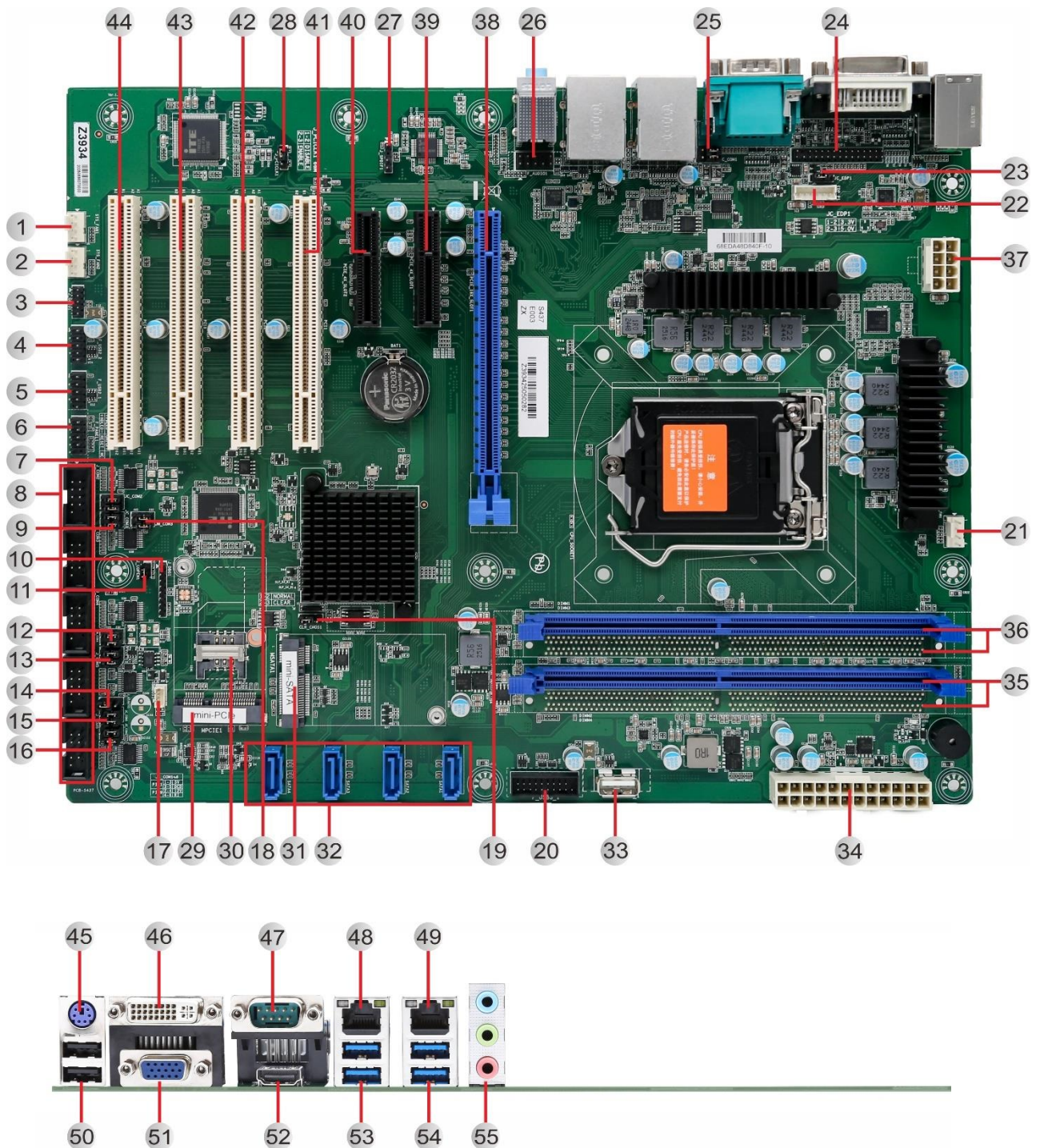


HE-Z390-A-RC-A Brochure



Specification

Model	HE-Z390-A-RC-A
CPU	Support 6/8/9th Generation Intel® Core /Pentium/Celeron Processors, LGA1151 Support MAX CPU TDP: Hexa-Core 95W (Do not support Octa-Core 65W/95W CPU)
Chipset	Intel® Z390, 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 1920x1200@60Hz
Memory ^[2]	Support DDR4 2400/2666 MHz, 2 * U-DIMM Slot, up to 64GB
Storage ^[3]	support RST RAID 0,1,5,10 4 * SATA 3.0 Connector, 1 * Mini SATA Slot (mSATA)
Ethernet	1 * I219-V GbE LAN Chip (RJ45, 10/100/1000 Mbps) ^[4] 1 * I226-V GbE LAN Chip (RJ45, 10/100/1000 Mbps) ^[5]
Audio	Realtek 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 (PCI-E 3.0, 16X Slot) 2 * PCI-E 4X (PCI-E 3.0, 4X Slot) ^[6] 4 * PCI Slot 1 * Mini PCI-E Slot (WIFI+4G/3G, with 1* SIM Card Slot) ^[6]
COM	1 * RS232 (COM1, DB9/M) 3 * RS232 (COM2/5/6, Header) 2 * RS232/RS485 (COM3/4, Header)
USB ^[7]	4 * USB3.0 (Rear I/O, TYPE-A) 2 * USB2.0 (Rear I/O, TYPE-A) 2 * USB3.0 (Internal, Box Header) 1 * USB2.0 (Internal, Vertical TYPE-A) 4 * USB2.0 (Internal, Header)
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
TPM	Supports onboard TPM 1.2/2.0 (optional, onboard by default)
System	Windows 10, 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	ATX Standard (305mm * 244mm)

Notes:

[1]: Intel® H310 supports two independent displays. Intel® Z390 support three independent displays.

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

[3]: MSATA1 and SATA4 share the same SATA3.0 signal, they can't be accessed simultaneously (support MSATA1 by default). And Z390 can support them both.

[4]: I219 supports Intel AMT 12.0 and Intel vPro competent.

[5]: RJ45_USB2 Support I211 by default and can support I210 if specified.

[6]: MPCIE1 and PCIE_4X_SLOT1 share PCIE7 signal, they can't be accessed simultaneously (support MPCIE1 by default).

PCIE_4X_SLOT2 and PCIE_4X_SLOT1 share PCIE8 signal (support PCIE_4X_SLOT2 PCIE-x1 by default). PCIE_4X_SLOT1 can still support PCIE-2x (Need to match the corresponding BIOS). Z390 can support MPCIE1 and PCIE_4X_SLOT1/2(PCIE-x4) both.

[7]: H310 not support F_USB3_1 and F_USB2_2 by default.