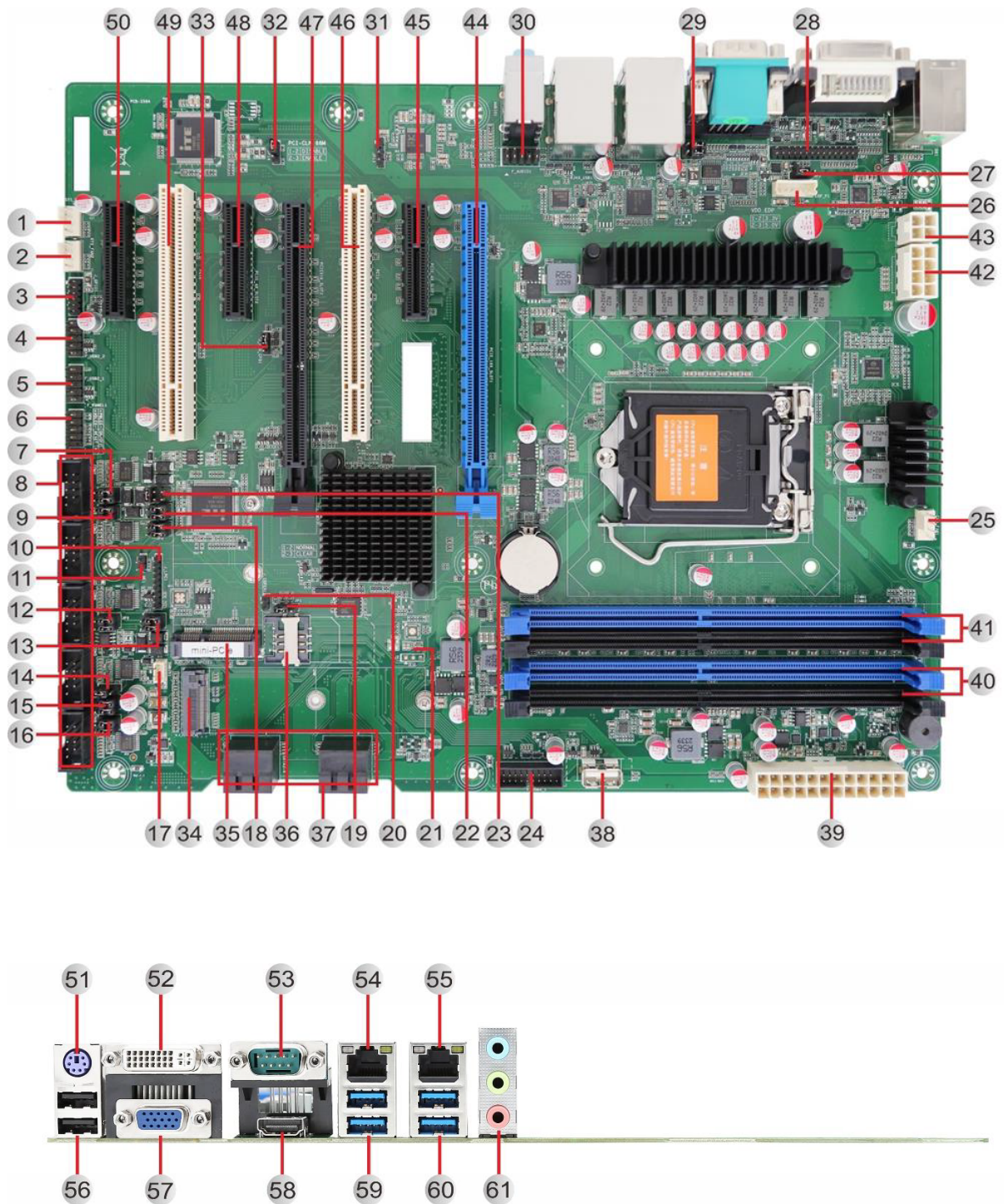


HE-W480-RC Brochure



Specification

Model	HE-W480-RC
CPU	Support Intel® 10/11th Generation Core / Pentium Desktop CPU, LGA1200 Support MAX CPU TDP: Deca-Core 125W
Chipset ^[1]	Intel® Comet Lake, W480, TDP 6W
Display ^[2]	1 * DVI-D (DVI-I): Support DVI-D, max resolution up to 1920x1200@60Hz 1 * HDMI 1.4b (TYPE-A): up to 4096x2160@30Hz 1 * VGA (DB15/F): max resolution up to 1920x1200@60Hz 1 * eDP (Header): max resolution up to 4096x2304@60Hz
Memory ^[3]	Support DDR4-2400/2666/2933MHz, 4 * ECC U-DIMM Slot, Up to 128GB
Storage	Supports RST RAID 0,1,5,10, 4 * SATA3.0 7P Connector 1 * M.2 Key-M Slot (PCIe x4 NVMe/ SATA SSD Auto Detect, 2242/2280)
Ethernet ^[4]	RJ45_USB1(RJ45): 1 * I219-LM GBE LAN Chip (10/100/1000 Mbps, RJ45) RJ45_USB2(RJ45): 1 * I210 GBE LAN Chip (10/100/1000 Mbps, RJ45)
Audio	Realtek HDA Codec, 1 * Front Audio Header (Line-Out + MIC) 1 * SPDIF Out Header 1 * Line-out +Line-in + MIC Φ3.5mm Jack
Expansion Slots	1 * PCI-E 16x Slot (PCIe 16X GEN3) [5] 1 * PCI-E 16x Slot (PCIe 8X GEN3, no resources by default) [5] 3 * PCI-E 4x Slot (PCIe 4X GEN3) 2 * PCI Slot 1 * Mini PCI-E Slot (WIFI+4G/3G, with 1 * Full-Size SIM Card Slot) 1 * PCI CLK 66MHz Enable/Disable Select Jumper 1 * PCI-E Signal Select Jumper
COM	1 * RS232 (COM1, DB9/M) 3 * RS232 (COM2/5/6, Header) 1 * RS232/RS422/RS485 (COM3, Header) 1 * RS232/RS485 (COM4, Header)
USB	4 * USB3.0 (TYPE-A, Rear IO) 2 * USB3.0 (Header, Internal) 2 * USB2.0 (TYPE-A, Rear IO) 1 * USB2.0 (Vertical TYPE-A, Internal) 4 * USB2.0 (Header, Internal))
Other Ports	8 * GPIO 1 * PS/2 Connector (Keyboard & Mouse) 1 * Front Panel Header (HDD LED+PWR LED+PWR ON+RESET) 1 * Port80 Debug Header 1 * SMBUS Header 2 * System FAN Header 1 * CPU FAN Header 1 * Case Open Header 1 * CMOS Clear Jumper 1 * AT or ATX Select Jumper 1 * ME Flash Header 1 * Data Burning Header

TPM	SLB 9670VQ2.0, TPM2.0 (Not onboard by default), Support Intel PTT 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 + 4P) 1 * ATX 4P CPU Power Input Connector 1 * ATX 8P CPU Power Input Connector 1 * ATX 24P Power Input Connector
Factor	ATX Standard (305mm * 244mm)

Notes:

[1]: Chipset can be customized into Intel® W480/Q470E/W480E.

[2]: Intel® Q470/W480/Q470E/W480E supports three independent displays.

[3]: The maximum memory frequency depends on CPU. Only Intel® W480/W480E supports ECC.

[4]: RJ45_USB1 (RJ45) I219-LM supports Intel AMT 12.0 and Intel vPro competent. RJ45_USB2 (RJ45) supports I210 by default and can support I211 if specified.

[5]: When using Q470, PCIEX16_SLOT1-2 slot support PCIE 16x or dual PCIE 8x is Selected by 'PCI-E Signal Select Jumper' (J_PEG_CFG1, Location 33). It also can support auto detected if specified. (BOM selection) When using H470, it just support PCIEX16_SLOT1.