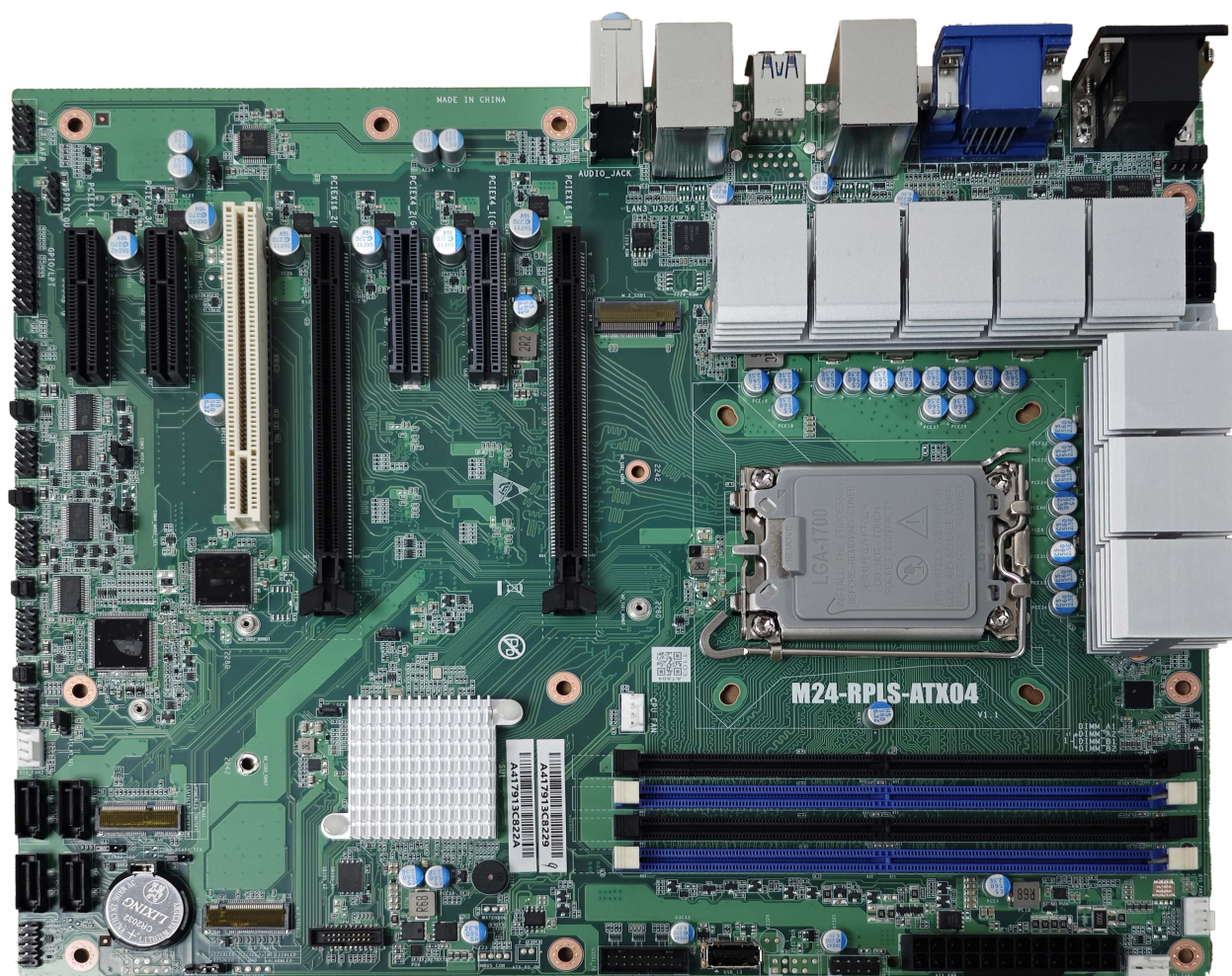


HE-Q670DB-RC Brochure



Specification

Model	HE-Q670DB-RC
CPU	Support Intel® 15th/14th/13th/12th gen Core™ i9/i7/i5/i3 & Pentium®/Celeron® processor, TDP 125W, LGA 1700
Chipset	Intel® Q670, TDP 6W
Display	1 * DP: max resolution up to 4k@60Hz 1 * HDMI : max resolution up to 4k@60Hz 1 * VGA : max resolution up to 1920x1200@60Hz
Memory	4x DDR5 5600 ^[1] /4800MT/s UDIMM, Dual Channel,Max.128GB
Storage	M.2_1: 1x M.2 M-Key2242/2280 Slot,Support PCIe 4.0 X4(NVMe) Mode M.2_2: 1x M.2 M-Key2242/2280 Slot,Support PCIe 4.0 X4(NVMe) & SATA 3.0 Mode 4 * SATA
Ethernet	1* Intel® i219V, Co-lay with Intel® i219 LM;1* Intel® i210 1* Intel® i226V, Reserved
Audio	Realtek ALC897 1 * Mic in 1 * Line in 1 * Line out
Expansion Slots	2* PCIe 5.0 X16 Slots (Support 1x 16 or 2x 8 mode) 2* PCIe 4.0 X4 Slots 2* PCIe 3.0 X4 Slots 1* PCI Slot
COM	2* DB9 (RS232/422/485) 2 * RS232 (Header) 2 * RS232/ RS422/ RS485 (Header)
USB	4 * USB3.2 (TYPE-A, Rear IO) 2 * USB2.0 (TYPE-A, Rear IO) 2 * USB3.2 (via (20-1) BOX header, Internal) 2 * USB2.0 (via (10-1) Pin Header, Internal)
Other Ports	8 * GPIO 1 * PS/2 Connector (Keyboard & Mouse) 1 * Front Panel Header (HDD LED+PWR LED+PWR ON+RESET) 1 * ESPI Header (Debug Only) 1 * SMBUS Header 3 * System FAN Header 1 * CPU FAN Header 1 * CMOS Clear Jumper 1 * AT or ATX Select Jumper 1 * ME Flash Header 1 * Power Monitor wafer
TPM	SLB 9670VQ2.0, TPM2.0 (not onboard by default), Support Intel PTT Default
System	Windows 10 IoT Enterprise 2021 LTSC, Windows 10 (21H2), Windows 11 (21H2) or later, Linux Kernel 5.17 or later

Temperature	Storage: -40~85°C Operating: 0~60°C
BIOS	Insyde
Power Supply	Standard ATX PSU
Factor	304.8mm * 244 mm

Notes:

[1]: DDR5-5600 MT/s support pending ecosystem readiness of memory modules and Intel validation