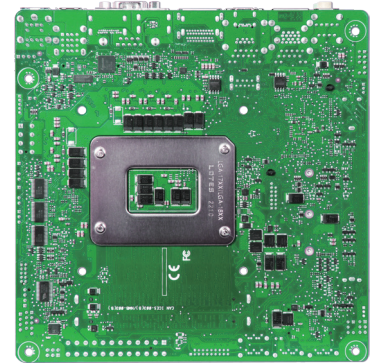
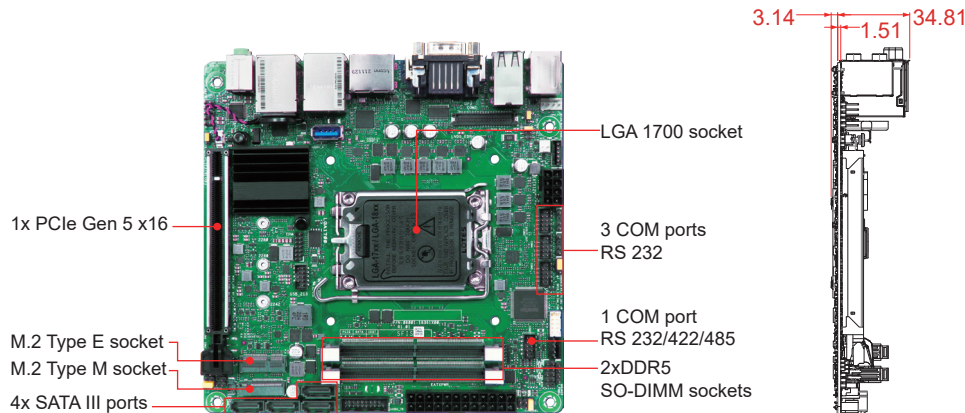


WADE-8213-Q670E

搭载第 12 代/第 13 代英特尔® 酷睿™ 处理器的 Mini-ITX 主板，与高达 64GB 的 DDR5 SO-DIMM、eDP/LVDS、3 个 DP 端口、HDMI、双 GbE LAN、5 个 COM 端口

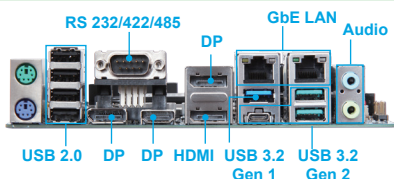


WADE-8213-Q670E 搭载 Intel® Q670E 芯片组和第 12/13 代 Intel® Core™ i9/i7/i5/i3 台式机处理器。它支持多个显示输出、工业应用的传统功能选项、GPIO 端口、双 LAN 以及丰富的 PCIe Gen5、M.2 M 和 M.2 E 键。在更小的尺寸上具有丰富的 I/O 功能和先进的连接性和更薄的节省空间的平台，Portwell WADE-8213-Q670E 是各种嵌入式应用的理想选择

产品特点

- Supports 12th/13th Intel® Gen Core™ Processors
- Two SO-DIMM support DDR5 DRAM up to 64GB
- Supports Dual Ethernet, 5x COM ports, 3x USB 3.2 Gen2 ports, 4x SATA III ports and Audio
- Supports one PCIe x16(Gen5), one M.2 Key E 2230 with PCIe x1 and CNVI for Wireless and one M.2 Key M 2242/2260/2280 with PCIe x4 and SATA3 for SSD

REAR I/O



订购指南

AB1-3P58	(R) WADE-8213-Q670E ATX ESB.Q670E w/o ECC LGA1700.w/DDR5 / eDP/LVDS/Thripal DP/HDMI/ Dual GbE/COM/Audio/USB
-----------------	--

包装清单

One WADE-8213-Q670E Main board
One I/O shield
One SATA cable
One CPU cooler backplate

特点

处理器	12 th /13 th Gen Intel® Core™ Processors CPU in LGA1700 package
芯片组	Intel® Q670E
BIOS	AMI uEFI BIOS
内存	Support up to 64GB DDR5 4800 on two SO-DIMM socket
储存装置	- Supports 4x SATA III ports - Supports RAID 0, 1, 5, 10
看门狗计时	Programmable watchdog timer
硬件监控	System monitor(Voltage, Fan Speed and Temperature)
扩充接口	- 1x PCIe x16 Gen 5 - 1x M.2 Key E 2230 with PCIe x1 and CNVI for Wireless - 1x M.2 Key M 2242/2260/2280 with PCIe x4 and SATA3 for SSD

I/O 界面

音源	Audio Jack on rear I/O with Line-out / Line-in with Realtek ALC897 audio controller
以太网网络	- Intel® I210AT (1GbE) and Intel® I225LM (2.5GbE) Ethernet controller - 2x RJ45 connectors on rear I/O
串行端口	- 2x RS232/422/485 ports (one port on rear I/O and one port on board header) - 3x RS232 port on pin header
USB	- 3x USB3.2 (Gen2) on rear I/O (2x Type A + 1x Type C) - 1x USB3.2 (Gen1) on rear I/O - 1x USB3.2 (Gen1) on board (Vertical Type-A) - 2x USB3.2 (Gen1) on pin header - 4x USB2.0 on rear I/O - 2x USB2.0 on pin header
GPIO	8-bit configurable controlled by embedded controller

显示器

图像控制	Intel® UHD Graphics 770 supports DirectX 12, OpenGL 4.6
显示器界面	- DP: Three DP ports on rear I/O, resolution up to 8K - eDP/LVDS: One eDP/LVDS port on board header, switch by BIOS - HDMI: One HDMI connector on rear I/O

机构与环境

尺寸	170mm(L) x 170mm(W)
电源供应	ATX power input
环境	- Operation Temperature: 0°C to 60°C - Storage Temperature: -20°C to 80°C - Relative Humidity: 5% to 95%, non-condensing
MTBF	Over 100,000 hours at 40°C

