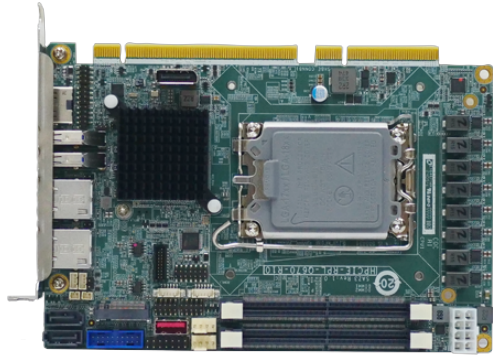


# HPCIE-RPL-Q670

Half-size PICMG 1.3 CPU Card 支持 LGA1700 Intel® 12th/13th/14th Gen. Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU with Q670E, DDR5, HDMI™, DP, 两个 Intel® 2.5GbE, USB 3.2, SATA 6Gb/s, M.2, HD Audio and RoHS



## Features

- » Half-size PICMG 1.3 CPU Card 支持 LGA1700 Intel® 12th/13th/14th Gen. Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU with Q670E
- » 支持 262-pin 5200 MHz Dual-Channel DDR5 So-DIMMs
- » 独立双显：支持DP and HDMI™
- » 支持 Intel® I226-LM and Intel® I226V 2.5GbE controller
- » 支持 M.2 M key 扩展

## Specifications

尺寸类型	
尺寸类型	Half Size Single Board Computer
系统	
CPU	LGA1700 socket 支持 12th/13th/14th generation Alder Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor (高达 65W)
芯片组	Intel® Q670E/Q670
内存	两个262-pin 5200 MHz Dual-Channel DDR5 So-DIMMs
内存上限	96GB
散热方案/系统风扇	1 x CPU fan connector (1x4 pin) 1 x System fan connector (1x4 pin)
物理特性	
尺寸 (LxWxH) (mm)	168 mm x 126 mm
净重	GW:1000g / NW:420g
存储	
存储	2 x SATA : 6Gb/s (支持RAID 0/1) 1 x M.2(NGFF) : M Key (2242, PCIe Gen3 x4) 支持 NVMe
I/O 接口	
显示输出	1 x HDMI™ : 4K@30Hz 1 x Display Port : 4K@60Hz, 180°
网络	2 x LAN - LAN1: Intel® I226-LM 2.5GbE controller LAN2: Intel® I226-V 2.5GbE controller
音频	HD Audio : 1 x iAUDIO, 支持 IEI AC-KIT-888S Audio Module (2 x 5 pin)
I/O接口	2 x 内部RS-232/422/485 : 2x5 pin, P=2.00 (RS485 支持 AFC) 4 x 内部 USB 2.0 : 2x4 pin, P=2.54 1 x DIO : 12-bit digital I/O (2x7 pin) 2 x 外部 USB 3.2 Gen2x1 : 10Gb/s (Type-A) 1 x Internal USB 3.2 Gen2x1 : Type A 180° 2 x Internal USB 3.2 Gen1x2 : 2 X 10 pin P=2.00 (5Gb/s) 1 x I²C : 1x4 pin
扩展	描述: 1 x PCIe Gen3 x16 & 4 x PCIe Gen3 x1 信号通过金手指
Other Features	
TPM	支持 TPM 2.0 (TPM-IN03 module) & Intel PTT

电源	
电源功耗	3.3V@0.05A, 5V@0.93A, 12V@11.33A, 5VSB@0.37A
	(Intel i9-14900 2GHz CPU with Apacer DDR5 5600MT/s SODIMM 32GB memory, EuP mode enabled)
电源供电	ATX/AT power supply
	Support AT/ATX mode
	ErP/EuP Compliant
环境	
操作温度	-10~60°C
存储温度	-30°C ~ 70°C
Humidity	5% ~95%, 无冷凝
Card Slot Interface	
M.2	1 x M.2 M Key (2242, PCIe Gen3 x4 ) 支持NVMe

## Ordering Information

HPCIE-RPL-Q670-R10	Half-size PICMG 1.3 CPU Card supports LGA1700 Intel® 12th/13th Gen. Core™ i9/i7/i5/i3/Pentium®/Celeron® CPU with Q670E, DDR5, HDMI,DP,Dual Intel® 2.5GbE, USB 3.2, SATA 6Gb/s, M.2, iAUDIO and RoHS
--------------------	---

## Packing List

1 x HPCIE-RPL-Q670 single board computer	1 x mini jumper pack
1 x SATA cable	1 x QIG