

# HPCIE-Q470

[www.contradata.it](http://www.contradata.it)

**Half-size PICMG 1.3 CPU Card support Intel® 10th/11th Gen. Core™ i9/i7/i5/i3, Celeron®, Pentium® processor**

- Support Intel® Q470/Q470E chipset
- Support Dual Intel® 2.5GbE
- Support HDMI display
- Support 16-lanes PCIe signal from CPU via golden finger, 4-lanes PCIe signal from PCH via golden finger, M.2 A key, M.2 M key expansion
- Support 1 x USB 3.2 Gen2 (10Gb/s), 2 x USB 3.2 Gen1 (5Gb/s), 2 x USB 2.0
- Support 2 x RS-232/422/485, 2 x SATA interface

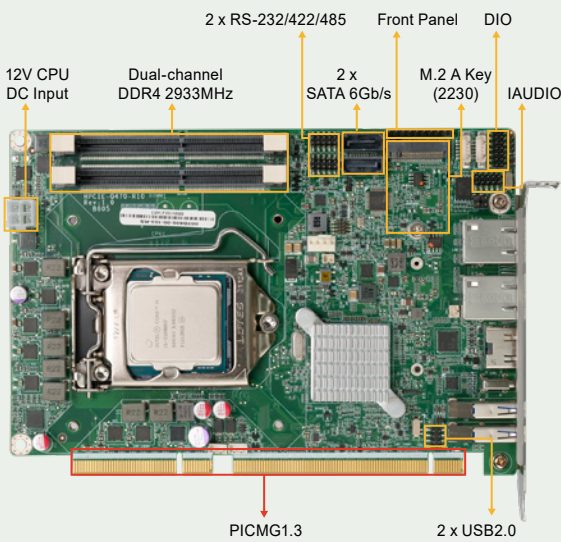
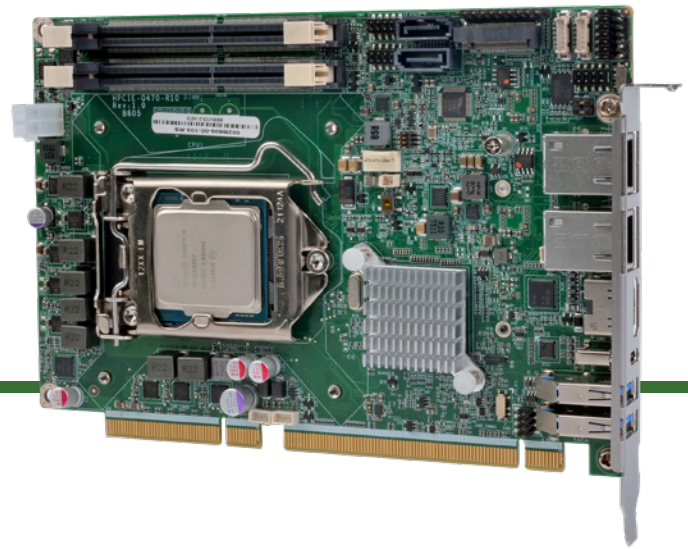
**High Performance Capability  
with multi-tasking function**



**iei**®

# HPCIIE-Q470

Half-size PICMG 1.3 CPU Card supports LGA1200 Intel® 10th/11th Gen. Core™ i9/i7/i5/i3, Pentium®, Celeron® Processor with Q470, DDR4 SO-DIMM, HDMI, Dual Intel® 2.5GbE, USB 3.2 Gen2, SATA 6Gb/s, M.2, IAUDIO, and RoHS



## Support Intel® 10th/11th generation processor

Support Intel® 10th/11th generation Core™ i9/i7/i5/i3, Celeron® Pentium® Serise pprocessor (LGA 1200 slot), release super performance, and can handle multiple tasks at the same time



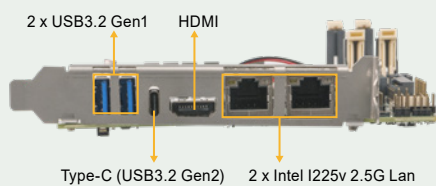
## Support Intel® I225V 2.5GbE Ethernet Controller

Support dual RJ45 network interfaces, based on Intel® I225V 2.5GbE network controller core Chip to achieve network transmission rate up to 2.5GbE



## Support multiple interface

The I/O layout is 1 x Type-C (10Gb/s), 2 x USB 3.2 Gen1 (5Gb/s), providing faster transmission rates. The motherboard has 2 x USB 2.0 ports for wiring expansion, M.2 A key for Bluetooth, WiFi module expansion, and M.2 M key for NVME storage expansion

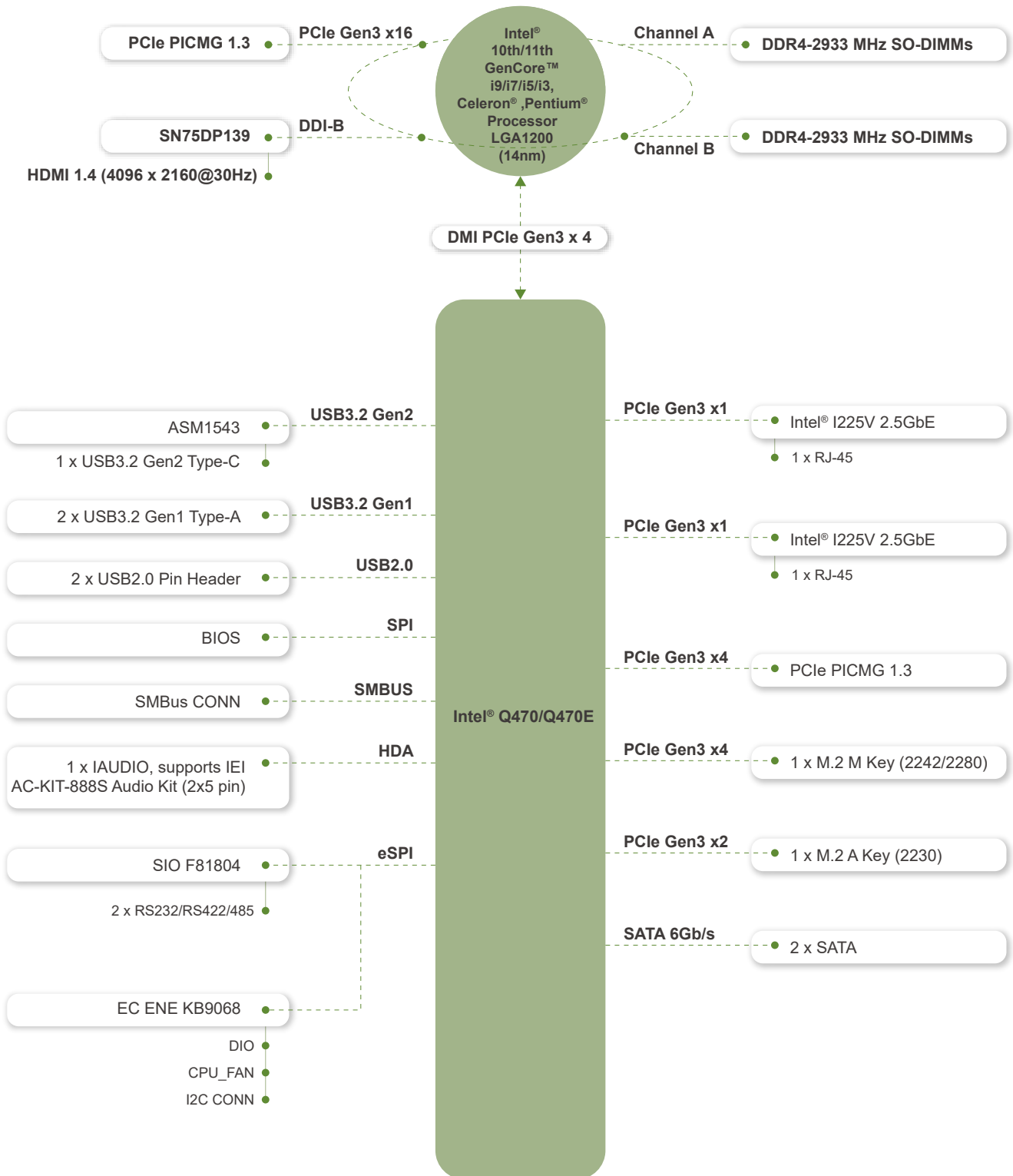


## Support multiple baseboard options

Support 16-lanes PCIe signal from CPU via golden finger, 4-lanes PCIe signal from PCH via golden finger, and the backplane can be selected according to requirements



# HPCIE-Q470 Block Diagram



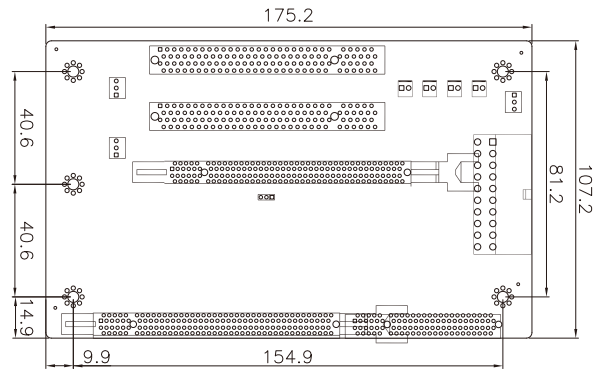
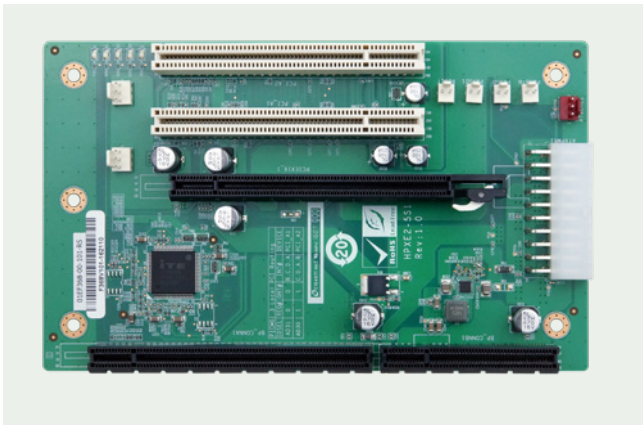


**PICMG 1.3 Passive Backplane for Half-Size CPU Card**

PAC series wall-mount chassis
  4U rack-mount chassis

PICMG 1.3 (PCIe+PCI)	Model	HPXE2-5S1	HPXE2-8S1
Total Slot		5	8
Expansion Slots	PCIe x16	1 (Gen 3.0)	
	PCIe x8		2 (Gen 3.0)
	PCIe x4		
	PCIe x1		
	PCI-X		
	PCI	2	4
PSU Type		24+4-pin ATX	24+4-pin ATX
Chassis Option		PR-1500G	PAC-125G
		RACK-500G	RACK-3000G RACK-360G
Note		ATX power	ATX power

**HPXE2-5S1-R10**



**HPXE2-8S1-R10**

