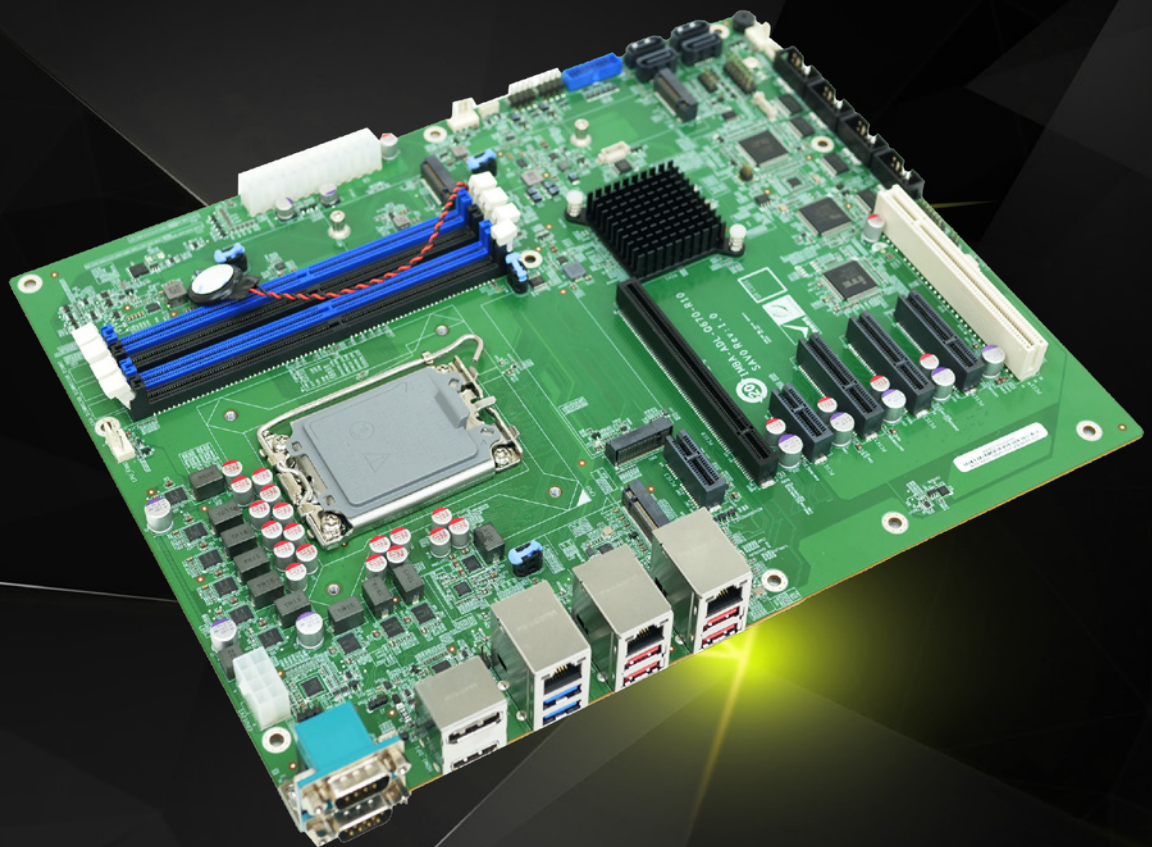


IMBA-ADL-Q670

ATX motherboard supports LGA1700 Intel® 12th/13th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor

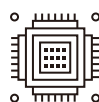
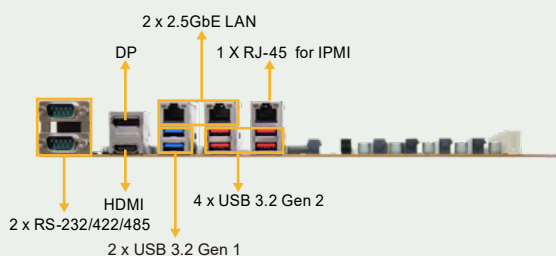
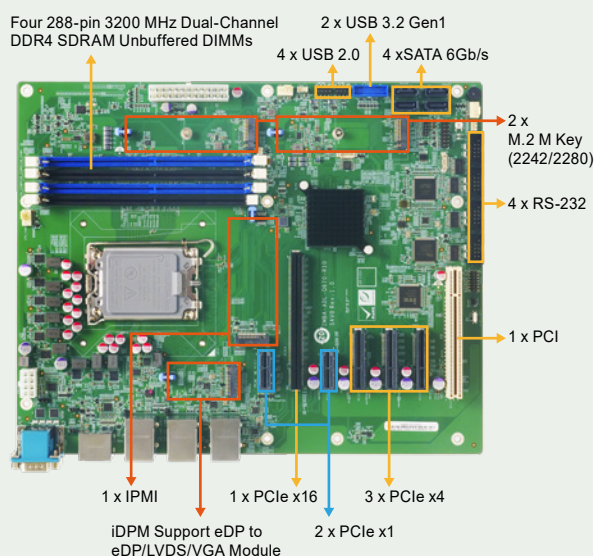
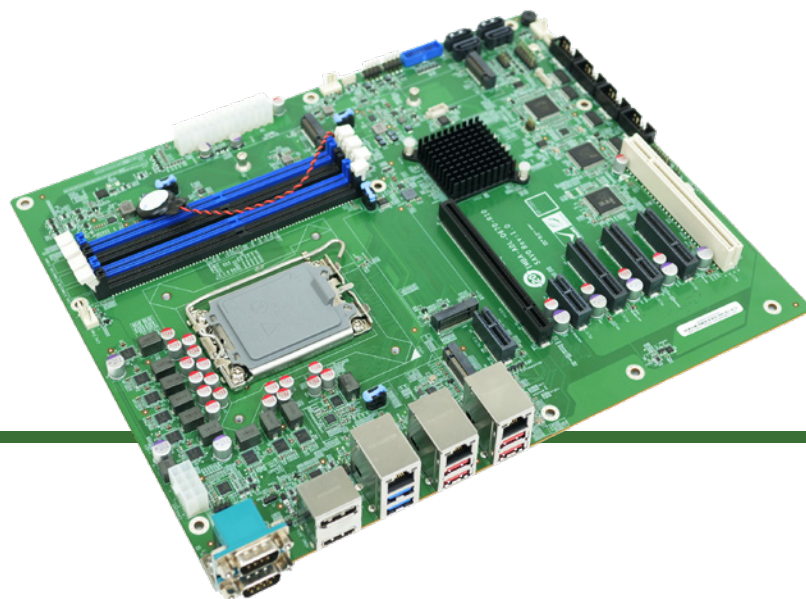
- LGA1700 Intel® 12th/13th Generation Core i9/i7/i5/i3, Pentium and Celeron processor ((up to 125W))
- Dual-channel DDR4 3200MHz
- Support DisplayPort 1.4a, HDMI&iDPM module
- Support two M.2 M keys for storage
- Support one PCIe x16, three PCIe x4, two PCIe x1, one PCI for expansions



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IMBA-ADL-Q670

ATX motherboard supports LGA1700 Intel® 12th/13th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR4, Triple independent displays, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, IPMI, HD Audio and RoHS



Support 12th/13th Gen Intel® Core™ CPU

Support LGA1700 socket 12th/13th generation Alder Lake-S/Raptor Lake-S Intel® Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor (up to 125W TDP CPU), up to 16cores/24threds for outstanding Multi Threaded performance



Support Intel® I225V 2.5GbE Ethernet Controller

Support two RJ45 network interface via Intel® I225v 2.5GbE network controller to achieve up to 2.5GbE network transmissio



Rich Expansion I/O

It includes one PCIe x16, three PCIe x4 ,two PCIe x1 and one PCI slots for functional expansions like graphics cards, LAN cards or motion control cards

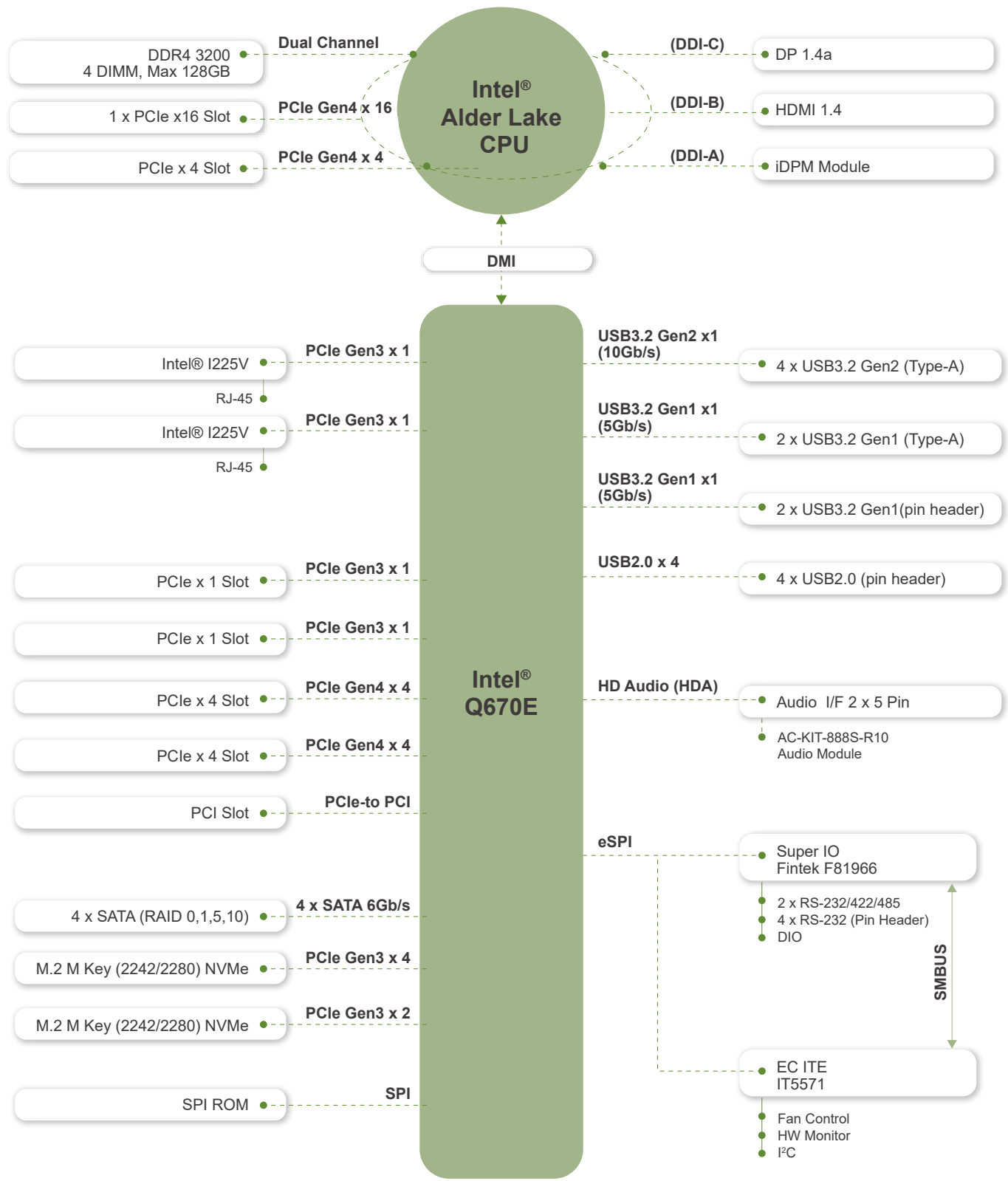


Support Four SATA for Storage

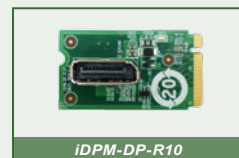
It supports 4 x SATA 6Gb/s, and RAID 0/1/5/10 supported. Otherwise, there are 2 x M.2 M key with PCIe signal support NVMe storage



IMBA-ADL-Q670 Block Diagram



Specifications



**Intel® recommends that Alder Lake-S CPU PCIe ports are only used for discrete graphics and storage devices

Packing List

1 x IMBA-ADL-Q670 single board computer	2 x SATA cable
1 x I/O shielding	1 x QIG

Ordering Information

IMBA-ADL-Q670-R10	ATX motherboard supports LGA1700 Intel® 12th/13th Generation Core™ i9/i7/i5/i3, Pentium® and Celeron® processor, DDR4, Triple independent displays, dual 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, IPMI, HD Audio and RoHS
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Optional Accessories

19800-003100-100-RS	Dual port USB cable with bracket, 300mm, P=2.54
19800-010500-200-RS	USB 3.0 cable 450mm with bracket
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
32205-000702-200-RS	RS-232 cable, 230mm, P=2.54
AC-KIT-888S-R10	Realtek ALC888S 7.1 Channel HD Audio peripheral board,RoHS
19100-000323-00-RS	High-performance LGA1700 cooler: 65W, 72*70*25.5mm
19100-000319-00-RS	High-performanc 1 U LGA1700 cooler, 65W, 95*90*27.45mm
19100-000333-00-RS	High-performance LGA1700 cooler, 80W, 72*48.5*73.5mm
19100-000326-00-RS	High-performance LGA1700 cooler, 125W, 87.8*66.5*75mm
19100-000327-00-RS	High-performance LGA1700 cooler, 125W, 96.5*91.4*119.5mm
19100-000328-00-RS	High-performance LGA1700 cooler, 125W, 92*92*25mm
iDPM-eDP-R10	eDP to eDP DisplayPort converter board (for IEI iDPM connector)
iDPM-VGA-R10	eDP to VGA Connector converter board (For IEI Display Module)
iDPM-LVDS-R10	eDP to LVDS DisplayPort converter board (for IEI iDPM connector)
iDPM-VBO-R10	eDP to VBO DisplayPort converter board (for IEI iDPM connector)
iDPM-DP-R10	eDP to DP DisplayPort converter board (for IEI iDPM connector)

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