

Key Features:

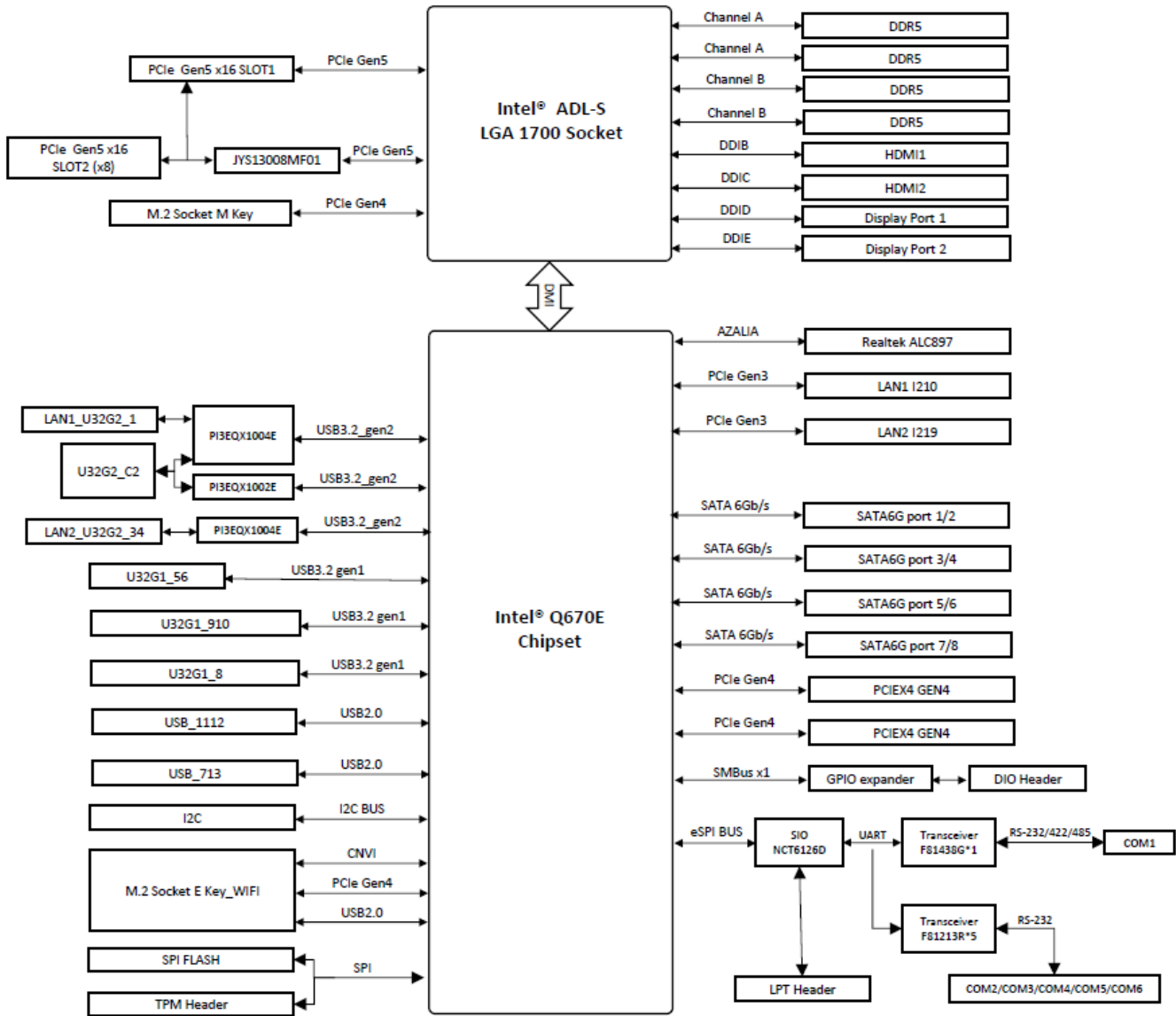
- Support up to 125W Intel 12 / 13 / 14th Gen. CPU
- PCIe x16 slot support dual width graphic card
- Four U-DIMM up to 128GB DDR5 4400 MHz
- Supports 2x DP & 2x HDMI
- 7-year longevity supply



Specifications		
Processor System	CPU	LGA1700 for Intel® 12 / 13 / 14th Gen. Core i3/ i5/ i7/ i9/ Pentium® /Celeron® Processors Max. 125W TDP
	Chipset	Intel® Q670E Chipset
Memory	Technology	DDR5 4400MT/s (2DPC -1DIMM 1R&2R)4000MT/s (2DPC -2DIMM 1R)3600MT/s (2DPC -2DIMM 2R)
	Max.	128GB
	Socket	4 x U-DIMM
Display	Display Port	2, Supports DP++ 1.4, up to 3840 x2160 @ 60Hz
	HDMI	2, Supports 2.0, up to 3840 x2160 @ 60Hz
Expansion Slot	PCIe	1 x PCIe 5.0 x16 Slot(1 x16 mode/ 2 x8 mode) 1 x PCIe 4.0 x4 Slot (x4 mode) 1 x PCIe 5.0 x16 Slot(x8 mode) 1 x PCIe 4.0 x4 Slot (x4 mode)
	M.2	1 x M.2 E key, Type 2230 for WIFI/BT device (PCIe x1 & USB2.0&CNVI) 1 x M.2 M key, Type 2242/2260/2280 (PCIex4) supports NVMe
Ethernet	Speed	10/100/1000 Mbps
	Controller	1 x Intel® i210 1 x Intel® i219
	Connector	2x RJ-45
Audio	Codec	Realtek ALC897
Storage	SATA port	8 x SATA Gen 3.0, Up to 6Gb/s, Support RAID 0,1,5,10
Rear I/O	Display Port	2, Supports DP++ 1.4, up to 3840x2160 @ 60Hz
	HDMI	2, Supports 2.0, up to 3840 x2160 @ 60Hz
	USB3.2 Gen1	2
	USB3.2 Gen2	4(3 x type A, 1 x Type C)
	Ethernet	2x RJ45
	Serial Port	1 (RS232/422/485)
	Audio jack	2 (Line-Out, Mic in)
Internal Connector	COM Header	5x COM Header (RS232)
	SGPIO Header	2 x Header
	USB3.2 Gen1	1 x Header Support Additional 2 x USB3.2 Gen1 Ports 1 x vertical connector
	USB2.0	2 x Header Support Additional 4 x USB2.0 Ports
	CPU Fan/ Chassis Fan	1 x Header (PWM Mode) / 3 x Header (PWM Mode)
	Front Panel Audio (AAFP)	1 x Header

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Internal Connector	System Panel	1 x Header
	Chassis Intrusion	1 x Header
	Speaker connector	1 x Header
	I2C Header	1 x Header
	Clear CMOS	1 x Header
	COM Debug	1 x Header
	LPT port header	1 x Header
	Buzzer	1
	PS/2	1 x Header
	SPDIF	1 x Header
	GPIO	1 x Header (8 Bit)
	DIS ME jumper	1 x Header
	AT/ATX Select Header	1 x Header
	Power connector	1 x 24-pin ATX Power connector, 1 x 8-pin ATX 12V Power connector
Security	TPM	1 x SPI TPM header
Watchdog Timer	H/W	YES
Power Type	Power Type	ATX
OS & Software Support	Microsoft Windows	Windows® 10 (64bit) / Windows® IoT enterprise
	Linux	Ubuntu, RedHat Enterprise, Fedora Workstation, OpenSUSE
Environment	Operating Temperature	0 to 60°C
	Non-Operating Temperature	-40 to 85°C
	Relative Humidity	Operational humidity: 40°C@10% to 95%
Mechanical	Dimensions	Micro ATX, 244 x 244 mm
Certification	EMC (CLASS B)	FCC

Block Diagram



Images

Order Information

Model Name	Part Number	Description
GMB-MQ67010	26316	Contec, Micro-ATX board, LGA1700 for Intel 12 / 13 / 14th Gen CPU, Q670E chipset, standard BIOS

Packing List

Description	Quantity
IO Shield	1
SATA III CABLE	1
M.2 SCREWPACK	2

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