



BQ614

B760 /H610 CHIPSET HIGH-END RICH-CLIENT



Intel® LGA1700 Socket
12th/13th/14th Gen. Processors



1 x HDMI (Max. 4096 x 2160 @60 Hz)
1 x DP1.4, Optional: 1 x VGA
1 x DP1.4 from Type-C



RTC
Watchdog Timer
Chassis Intrusion



Support NVMe SSD

CPU

CPU	Intel® LGA1700 Socket 12 th /13 th /14 th Gen. processors
Frequency	by CPU
Chipset	B760 /H610
Processing Units	by CPU
Base Power	≤ 65 W

Network

Network Controller	1 x Realtek RTL 8111H Gigabit Ethernet 1 x Intel Ethernet Controller I226-V
Ethernet Interface	1 x 1GbE RJ45, 1 x 2.5GbE RJ45
Wi-Fi/BT	1 x E-Key (2230) for Wi-Fi/BT Support Wi-Fi 6 /6E (CNVi), Wi-Fi 7 (Only 14th Gen CPU)
Mobile Network	1 x B-Key M.2 (3042/3052) for 4G /5G, 1 x SIM Slot

System

System Memory	Up to 96 GB, 2 x SO-DIMM DDR5-5600 MHz
Storage	1 x M-Key M.2 (2280) PCIe3.0 X4 for SSD 1 x 2.5" SATAIII
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	DC-IN, 19 V/6.32 A
Dimensions	200 mm x 185 mm x 35.5 mm (7.87" x 7.28" x 1.40")
Construction	Metal, Black
Operating System	Windows 11 (64bit) /Linux Ubuntu (64bit)
Operating Temperature	0°C ~45°C (32°F~113°F) @0.7m/s Air Flow
Humidity	95% @ 45°C (non-condensing)
Certifications	CE, FCC Class B, UKCA

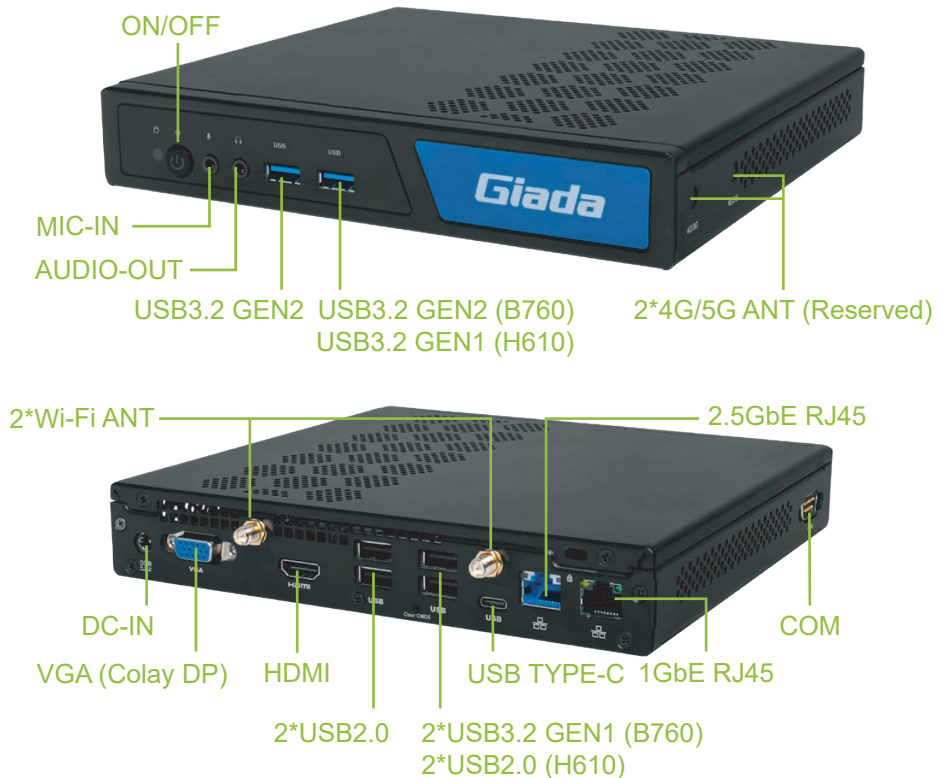
Display

GPU	Intel® UHD Graphics 730/770
Graphic Engine	DirectX 12, OpenGL 4.5, OpenCL 3.0,
Display Interface	1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x DP1.4 (Max. 7680 x 4320 @60 Hz), Optional: VGA coloy with DP
Multi-display	3 display (included 1 output from Type-C)

I/O interface

USB (B760)	1 x USB Type-C3.2 Gen2 (Supports DP1.4 output) 2 x USB3.2 Gen2, 2 x USB3.2 Gen1, 2 x USB2.0
USB (H610)	1 x USB Type-C3.2 Gen2 (Supports DP1.4 output) 1 x USB3.2 Gen2, 1 x USB3.2 Gen1, 4 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT, 2 x Connector for 4G/5G (Reserved)

Dimensions and Drawing



Order information

BQ614-0000040N0G-GIA	CPU: Intel LGA1700 Socket 12 th /13 th /14 th Gen. processors Chipset: B760
BQ614-0000040N1G-GIA	CPU: Intel LGA1700 Socket 12 th /13 th /14 th Gen. processors Chipset: H610
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Package	Carton, EPE

Optional items

VESA Mounting	VESA Mounting Kit (JZ200), Stand Bracket
Wi-Fi/BT Module	Wi-Fi 5 (802.11ac): Intel® Wireless-AC 9260, Intel® Wireless-AC 9560 Wi-Fi 6 (802.11ax): Intel® Wi-Fi 6 AX200, Intel® Wi-Fi 6 AX201, Wi-Fi 6E (802.11ax): Intel® Wi-Fi 6E AX210
Mobile Network Module	Quectel® RM500Q 5G, Quectel® EM12 4G, Quectel® EM05-E
Operating System License	Windows 11 (64bit)

