



# 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

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

### Network

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

### System

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

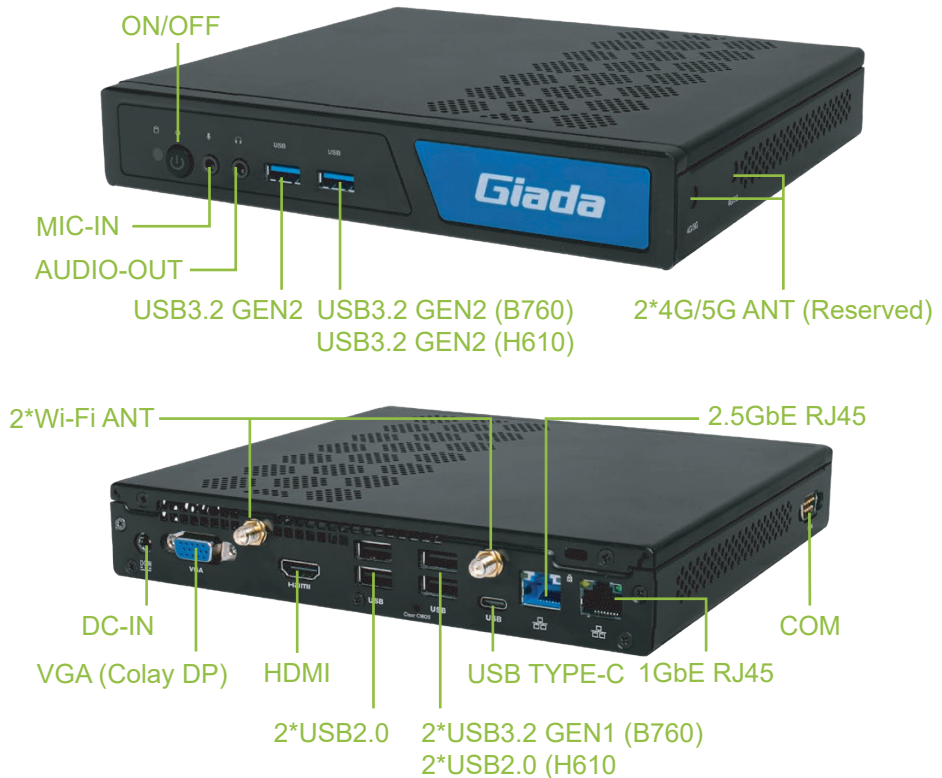
### Display

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

### I/O interface

<b>USB (B760)</b>	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
<b>USB (h610)</b>	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
<b>Serial Port</b>	1 x RS232
<b>Audio</b>	1 x MIC-IN, 1 x AUDIO-OUT
<b>Button</b>	1 x Power on, 1 x CLR-CMOS
<b>Antenna</b>	2 x Connector for Wi-Fi/BT, 2 x Connector for 4G/5G (Reserved)

## Dimensions and Drawing



## Order information

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

## Optional items

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

