

Support

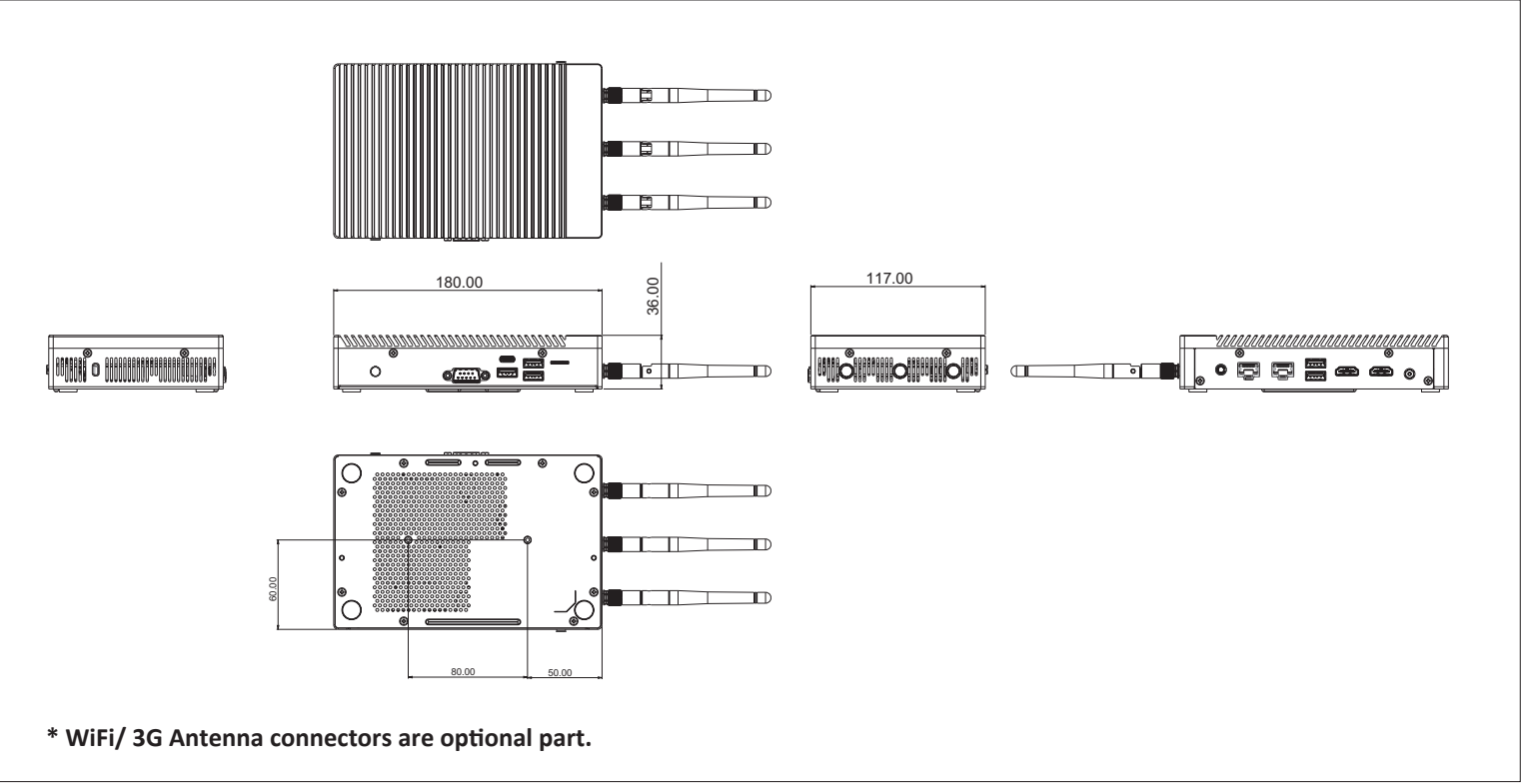
Please visit <http://www.gigaipc.com> to find QBIX-Plus warranty information from the drop down list.

- For a list of tested memory, M.2 SSD, 3G module, wireless adapters and OS supported, go to: <http://www.gigaipc.com>
- To download the latest drivers and BIOS updates, go to: <http://www.gigaipc.com>
- For product support, go to: <http://www.gigaipc.com>

Safety and Regulatory Information

Risk of explosion if the battery is replaced with an incorrect type. Batteries should be recycled where possible.
Disposal of used Batteries must be in accordance with local environmental regulations.

Dimension



Package Contents

QBIX Plus-KBLA7100-A1 Bare-bone
- NOT Include any of the following: M.2 (2280), 3G module, SIM card, SO-DIMM memory
- WiFi antenna and 1 x 3G antenna (optional)

***QBix-Plus-KBLA7100-A1 Full-System (Include memory and storage) order by customer's request.**

1 x 65W Adapter & Power Cord,* Power input: DC 19V, 3.42A

1 x VESA Mount Bracket & 6 x Screws

Optional Kit
- Internal Antenna 90mm : 25CA0-090003-A55
- Internal Antenna 120mm : 25CA0-120002-A55
- Internal Antenna 120mm : 25CA0-120003-A55
- WiFi module : 25FC7-3165N0-10R
- Antenna_WiFi x 2 : 25CA0-111000-A55
- Antenna_3G x 1 : 25CA0-111001-A55

QBIX-Plus-KBLA7100-A1
Industrial system with Intel® Core™ i3-7100U Processor

Quick Start Guide

Getting Familiar with Your Unit

【Front】

【Right】

【Rear】

【Left】

* Before opening the case, make sure to unplug the power cord.
* 打開機殼前，請確實移除電源。

* Before Connecting the power, make sure to fasten the case securely.
* 接上電源前，請確實將機殼完整鎖附。

Note: Wireless module inclusion may vary based on local distribution.
注意：根据各地经销商之产品规格配置，有些市场将不提供预载的无线模块。

Operating Temperature:
0°C to +40°C : With standard temperature WiFi module / 3G module / M.2(2280) / DDR3L SO-DIMM.
0°C to +50°C : With extended temperature WiFi module / 3G module / M.2(2280) / DDR3L SO-DIMM.

TPM

TRIGGER GPIO PWR-BUTTON

A) WiFi module connector	C) M.2 2280 SSD connector (SATA only)
B) 3G module connector	D) 2 x DDR4 SO-DIMM sockets

PIN Definition			
TRIGGER_PIN : Trigger Pin		PWR_BT : Power Button	
1 Trigger	1 Power Switch	11 Ground	1 GPO1
2 Ground	2 Ground	12 Ground	2 GPI1
	3 Power LED (+)		3 GPO2
	4 Power LED (-)		4 GPI2
	5 NC		5 GPO3
	6 SATA LED		6 GPI3
	7 NC		7 GPO4
	8 NC		8 GPI4
	9 3.3V		9 SMB_CLK
	10 NC		10 SMB_DATA
			GPIO_CNT : GPIO
			11 5V
			12 Ground
			GPIO_CNT : GPIO
			11 5V
			12 Ground
			TPM_LPC : TPM
			1 NC
			2 3.3V (Stand by)
			3 PLTRST_N
			4 3.3V
			5 LAD0
			6 SERIRQ_3.3
			7 LAD1
			8 TPM_DET
			9 LAD2
			10 NC
			11 LAD3
			12 Ground
			13 LFRAME#
			14 Ground

- 1**

Disconnect the two antennas by manually lifting off the clips that hold them in place.

向上移除連接於無線模組左側頂端天線。

- 2**

Remove the screw in the middle.

鬆開固定於無線模組中央頂端的螺絲。

- 3**

Carefully pull the wireless module from the slot.

小心的把無線模組從 M.2 插槽拔除。

- 1**

Carefully insert the 3G module into slot B.
小心的把3G模組安裝於圖示B插槽。

- 2**

The module is secured in place with a small screw in the right corner.
使用包裝隨附的螺絲將3G模組固定。

- 3**

Plug the antenna into the 3G module.
小心的將機殼內3G天線扣入模組上的3G天線MAIN接口。

1

Carefully insert the M.2 SSD into slot C.

小心的安裝M.2 SSD於C插槽。

2

The M.2 SSD is secured in place with a small screw.

使用包裝隨附的螺絲固定M.2 SSD。

- 1**

Carefully insert SO-DIMM memory modules.

小心並由下至上安裝SO-DIMM記憶體於記憶體插槽。

- 2**

Push down until the modules click into place.

當記憶體固定於插槽後，再輕輕下壓至定點。

- 3**

Carefully insert SO-DIMM memory modules.

安裝下層記憶體後，重覆前述動作安裝上層記憶體。

- 4**

Push down until the modules click into place.

當記憶體固定於插槽後，再輕輕下壓至定點。

- 1**

Carefully insert the antennas into the connectors. Ensure that the WiFi antennas are inserted into the left and right connectors and the 3G antenna is inserted into the middle connector.

小心的將天線插入天線插孔中。Wi-Fi天線接頭請插入左邊和右邊的插孔，而3G天線接頭是中間的插孔。

This diagram shows a side view of the device's rear panel with three antenna connectors. Two arrows point to the left and right connectors, labeled 'WiFi Antenna only'. One arrow points to the middle connector, labeled '3G Antenna only'. Three antenna cables are shown being inserted into these connectors.
- 2**

Turn the antennas clockwise until they are completely secure on the connectors.

握住天線接頭底端，按順時針方向將天線旋入插孔中牢固固定。

This diagram shows the same rear panel as Diagram 1, but the antenna cables are now partially inserted. The text indicates they should be turned clockwise to secure them.
- 3**

Flip up the antenna heads so that they are perpendicular to the machine.

栓緊後請將天線拉起朝上呈垂直狀。

This diagram shows the antenna cables fully inserted and turned. Two upward-pointing arrows indicate that the antenna heads should be flipped up to be perpendicular to the device's surface.

- 1**

Carefully push the SIM card slot cover outwards.
輕輕按壓，使SIM卡保護蓋自動彈出。

A line drawing of the SIM card slot cover. A large black arrow points to the left, indicating the direction to push the cover outwards.
- 2**

Flip open the SIM card slot cover.
打開SIM卡保護蓋。

A line drawing of the SIM card slot cover. A large black arrow points upwards and to the right, indicating the direction to flip the cover open.
- 3**

Place the SIM card into the slot and resecure the SIM card slot cover.
將SIM卡放入卡槽後，再次輕輕按壓以闔上SIM卡保護蓋。

A line drawing of the SIM card slot cover with the cover flipped open. A large black arrow points to the right, indicating the direction to push the cover back into its closed position.

1

Attach the screws provided on the underside of the QBix-Plus.

安裝隨附的VESA支撐架螺絲於QBix-Plus底部。

2

Attach the VESA mounting plate to the rear of a compatible display using the screws provided.

安裝隨附的VESA支撐架於支援VESA支撐架的電腦螢幕或電視機後背。

3

The QBix-Plus can now be mounted by sliding the device into place.

將已安裝VESA支撐架螺絲的BRiX插入VESA支撐架的滑軌孔，向下壓至定位點後即可固定。

1

Press "Del" during device start up to enter BIOS.

開機後按啟Del鍵進入BIOS設定畫面。

System Information	
Project Name	GB-QBIX-420H
BIOS Version	F2
Built Date and Time	12/15/2018 16:30:02
LANK MAC Address	00-EF-C6-4D-00-0C
LANE MAC ADDRESS	00-EF-C6-4D-00-00-00
Total Memory	8192 MB
Paid Mem Version	N/A (N/A)
DDR3 SDRAM	(1x) (1x) (1x)
System Type	(1x) (1x) (1x)

2

Select "Chipset" from the menu.

在BIOS主選單選取"Chipset"。

Chipset	
Intel PCH Pre-allocated	[Disabled]
Onboard Audio	[Enabled]
Onboard LAN 1	[Enabled]
Onboard LAN 2	[Enabled]
ESP Lowest Power State Mode	[Disabled]
USB 3 Selective Suspend	[Enabled]
Restore AC Power Loss	[Power Off]
WEC support	[Disabled]
watchdog timer	[Disabled]

3

Configure the "USB S5 Wakeup Support" setting to "Enable".

進入Chipset的USB S5 Wakeup Support選項，手動控制將其"Enable"。

Chipset	
USB S5	[Disabled]
Wake-up	[Disabled]
Onboard Audio	[Enabled]
Onboard LAN 1	[Enabled]
Onboard LAN 2	[Enabled]
ESP Lowest Power State Mode	[Disabled]
USB 3 Selective Suspend	[Enabled]
Restore AC Power Loss	[Power Off]
WEC support	[Disabled]
watchdog timer	[Disabled]

4

Select "Save and Exit" from the menu, and press "Save Changes and Reset".

在BIOS主選單選取 "Save and Exit" ，再進入 "Save Changes and Reset" 選項，存儲設定並離開BIOS選單重新開機。

Main Menu	
Save Settings	[Enter]
Load Defaults	[F5]
Exit	[Esc]
Save Settings and Exit	[F10]
Load Defaults and Exit	[F5 + Esc]
Exit	[Esc]
Save Settings and Exit	[F10]
Load Defaults and Exit	[F5 + Esc]
Exit	[Esc]

System Requirements
- Windows 10

系統需求
- Windows 10

Note: 'USB Power On' functionality in Windows 10 requires an additional Windows patch. This is provided on **GIGAIP's** official website labeled 'USB Power-On Patch'. Your **GIGAIPC QBIX-Plus** can be powered on via a connected USB device such as a keyboard or mouse, offering greater convenience when mounted behind a display or monitor.

注意：在Windows 10或以上的版本環境下需要額外的應用程式來啟動"USB Power On"功能。你可以透過技嘉官網的產品支援與更新下載"USB Power-On Patch"來執行。USB Power On提供了方便的開機功能，使用者可以透過連接到**QBIX-Plus**上的USB裝置啟動**QBIX-Plus**；讓安裝於顯示器後方的**QBIX-Plus**更方便使用。

單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁶⁺)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
電路板總成	-	○	○	○	○	○
外殼	○	○	○	○	○	○
電源供應器	-	○	○	○	○	○
線材	-	○	○	○	○	○

備考 1. “超出0.1 wt %”及“超出0.01 wt %”係指限用物質之百分比含量超出百分比含量基準值。

Note 1 : “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考 2. “○”係指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2 : “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考 3. “-”係指該項限用物質為排除項目。

Note 3 : The “-” indicates that the restricted substance corresponds to the exemption.