

## QY-B5610



### Products Features:

1. Industrial-Grade Embedded Fanless Mini PC
2. Intel Core 6 / 7th-i3 / i5 / i7 CPU
3. 5\*LAN, 10\*USB, 8\*COM, 1\*HDMI, 1\*VGA, 14\*GPIO
4. -30°C~70°C Temperature Can Keep 24/7 Work Stably
5. 2\*Mini PCIE Slots, Support 4G and WIFI Module
6. 1\*PCIE 16x slot or 2\*PCI slots
7. DC 9-36V Power Input with Overvoltage Protection



## 1-1. Mother Board Specification:

<b>Model</b>	QY-B5610
<b>CPU</b>	i3-6157U / i5-7200U / i5-7267U / i7-7500U
<b>Memory</b>	1*DDR III RAM Slot, Up to 32GB
<b>Storage</b>	1*MSATA SSD slot 2*SATA SSD slots
<b>Display</b>	1*HDMI: Resolution up to 4090*2160@24Hz 1*VGA: Resolution up to 1920*1200@60Hz
<b>Expansion</b>	2*Mini PCIE Slots, Support 4G and WIFI module
	1*PCIE 16x slot or 2*PCI slots
<b>Ethernet</b>	5*Intel i210V LAN Chip (10 / 100 / 1000 Mbps, RJ-45)
<b>USB</b>	4*USB 3.0 (Type-A) 6*USB 2.0 (Type-A) 2*PS/2 ports
<b>COM</b>	4*RS-232 (DB9 type) 4*RS-232 / 485 / 422 (DB9 type)
<b>Audio</b>	1*SPK+1*MIC
<b>GPIO</b>	14 ports GPIO (7*GPI+7*GPO, Phoenix terminal type)

## 1-2. Mother Board Specification:

<b>Model</b>	QY-B5610-12C
<b>CPU</b>	i3-6157U / i5-7200U / i5-7267U / i7-7500U
<b>Memory</b>	1*DDR III RAM Slot, Up to 32GB
<b>Storage</b>	1*MSATA SSD slot 2*SATA SSD slots
<b>Display</b>	1*HDMI: Resolution up to 4090*2160@24Hz 1*VGA: Resolution up to 1920*1200@60Hz
<b>Expansion</b>	2*Mini PCIE Slots, Support 4G and WIFI module
	1*PCIE 16x slot or 2*PCI slots
<b>Ethernet</b>	5*Intel i210V LAN Chip (10 / 100 / 1000 Mbps, RJ-45)
<b>USB</b>	4*USB 3.0 (Type-A) 6*USB 2.0 (Type-A) 2*PS/2 ports
<b>COM<sup>[1]</sup></b>	8*RS-232 (DB9 type) 4*RS-232 / 485 / 422 (DB9 type)
<b>Audio</b>	1*SPK+1*MIC
<b>GPIO</b>	14 ports GPIO (7*GPI+7*GPO, Phoenix terminal type)

### Notices:

[1]: i5-7267U not support 12\*COM ports



## 2. Device Specification:

<b>BIOS</b>	<b>AMI UEFI BIOS</b>
<b>Power Input</b>	<b>DC 9-36V</b>
	<b>Support AT / ATX</b>
	<b>1*3 Pin Phoenix terminal type DC plug</b>
<b>Working Temperature</b>	<b>-30°C~70°C, Support 24/7 Working</b>
<b>Size</b>	<b>236mm*220mm*109.6mm</b>
<b>Structure</b>	<b>Fully Enclosed Aluminum Alloy Material</b>
<b>Heat dissipation</b>	<b>Fanless Design, Conduction Heat Dissipation</b>
<b>Installation</b>	<b>Desktop / Embedded / Wall-Mounted</b>
<b>System</b>	<b>Windows 7 / 10 and Linux</b>

## 3. Ordering Information:

Model	CPU	LAN	USB	COM	Display	RAM	SSD	Expansion	Power Input
B5610	6th/7th	5	10	8	1*HDMI 1*VGA	1*DDR 4	1*MSATA 2*SATA	2*Mini PCIE	DC 9-36V

## 4. CPU Information:

CPU	Specification
i3-6157U	4 core, 4 total threads, 2.40GHz, 3 MB cache
i5-7200U	2 core, 4 total threads, 2.50GHz to 3.10GHz, 3 MB cache
i5-7267U	2 core, 4 total threads, 3.10GHz to 3.50GHz, 4 MB cache
i7-7500U	2 core, 4 total threads, 2.70GHz to 3.50GHz, 4 MB cache

## 5. System Information:

CPU	Specification
6th	Windows 7 / 10 and Linux
7th <sup>[1]</sup>	Windows 7 / 10 and Linux

## 6. Fittings Information:

RAM <sup>[2]</sup>	DDR 4	4GB / 8GB / 16GB / 32GB
Storage <sup>[3]</sup>	MSATA	64GB / 128GB / 256GB / 512GB / 1TB
	SATA	128GB / 240GB / 256GB / 480GB / 512GB / 960GB 1TB / 2TB / 4TB
GSM Module <sup>[4]</sup>	4G	4G+GPS function
WIFI Module	7260AC / AX210	

## 7.Package List:

Adapter	1*12V 7A adapter
Power Cable <sup>[5]</sup>	1*Power Cable
Terminal	1*2 Pin Phoenix terminal for power switch

### Notices:

[1]: The windows 7 system doesn' t have the USB 3.0 driver.

[2][3]: By default the industrial grade for RAM and SSD are used, and the minimum configuration is recommended to be 4+64GB.

[4]: Different countries and regions are applicable to different versions, please inform the business staff in advance when ordering.

[5]: Different countries and regions use different types of power cord plugs, please inform the business personnel in advance.

## 8.Dimensions:

