

## QY-P6121-WP



- Fanless Design,aluminum alloy body heat dissipation
- 12.1 inch LED screen,resolution: 1024\*768
- Whole machine IP66 water proof
- All interfaces are M12 type
- DC 9-36V input
- Supports selecting the number of interfaces as needed
- Support Windows / Linux operating system

 Windows 7  Windows 11

 Windows 10



FC IEC CE EAC

## 1.Mother Board Specification

<b>Model</b>	<b>QY-P6121-WP</b>
<b>CPU</b>	<b>J1900</b> i5: 4th、 6th、 7th、 8th、 10th i7: 7th、 10th
<b>Display</b>	<b>1*HDMI: resolution up to 1920*1080 (Max to 1*M12 type port)</b>
<b>Memory</b>	<b>Low than 6<sup>th</sup> CPU: 1*DDR III-1600MHz,up to 8GB</b> <b>More than 6<sup>th</sup> CPU: 1*DDR IIII-3200MHz,up to 16GB</b>
<b>Storage</b>	<b>1*MSATA</b>
<b>Expansion</b>	<b>1*Mini PCIE slot for WIFI+1*M.2 slot for 4G</b>
<b>Ethernet</b>	<b>2*RTL8211F LAN chip (Max to 2*M12 type port)</b>
<b>USB</b>	<b>2*USB 3.0+2*USB 2.0 (Max to 2*M12 type port)</b>
<b>COM</b>	<b>4*RS-232+2*RS-485 / 422 /232 (Max to 3*M12 type port)</b>

## 2.Screen Specification

<b>LED Screen Size</b>	<b>12.1 inch TFT LED, 4:3 screen</b>	
<b>Resolution</b>	<b>1024*768</b>	
<b>Brightness</b>	<b>350 nits,support 500 / 800 / 1000 nits</b>	
<b>Contrast</b>	<b>800:1</b>	
<b>Largest Colorful</b>	<b>16M</b>	
<b>Touch Screen Type</b>	<b>Capacitive</b>	<b>Resistive</b>
<b>Light Transmittance</b>	<b>More than 95%</b>	<b>More than 95%</b>
<b>Touch Life</b>	<b>50 million times</b>	<b>35 million times</b>
<b>Response Time</b>	<b>&lt; 5ms</b>	<b>&lt; 5ms</b>
<b>High temperature Test</b>	<b>85°C / 1000 hrs</b>	
<b>Constant Temperature And humidity test</b>	<b>85°C / 90%RH / 1000hrs</b>	

## 3. Machine Specification

<b>Power Input</b>	<b>DC 9-36V (Max to 1*M12 type port)</b>
<b>Working Temperature</b>	<b>-30°C to 70°C</b>
<b>Storage Temperature</b>	<b>-30°C to 70°C</b>
<b>Humidity</b>	<b>90% (20±50°C)</b>
<b>Size</b>	<b>299mm*239mm*63.5mm</b>
<b>Installation</b>	<b>Flush mount and wall mount (VESA)</b>
<b>Front Panel Protection</b>	<b>Whole machine IP66 water proof</b>
<b>Cooling</b>	<b>Alum alloy chassis, conduction heat dissipation</b>

## 4. Ordering Information

Model Name	CPU	Touch Screen Type	Ethernet	USB	COM	Display Port	RAM	Storage	Expansion	Power Input
P6121	J1900, 4th	Capacitive Resistive	2	4	6	VGA	Up to 8GB 1*DDR 3	1*MSATA	1*Mini PCIE 1*M.2	DC 9-36V
	6, 7, 8, 10th						Up to 16GB 1*DDR 4			

## 5.Fittings Information (support option brand)

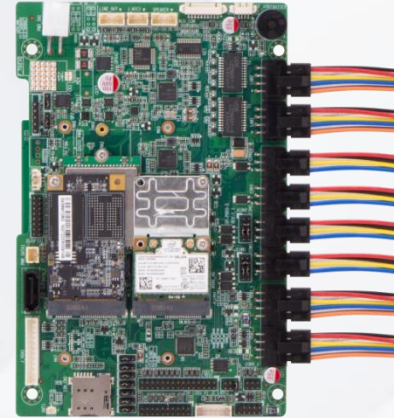
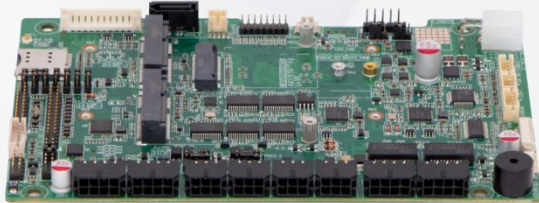
RAM	DDR 3	4GB / 8GB
	DDR 4	4GB / 8GB / 16GB
Storage	MSATA	64GB / 128GB / 256GB / 512GB
GSM Module	4G	4G+GPS
	5G	5G+GPS
WIFI Module	7260an / 7260ac / AX210	

## 6.Package List

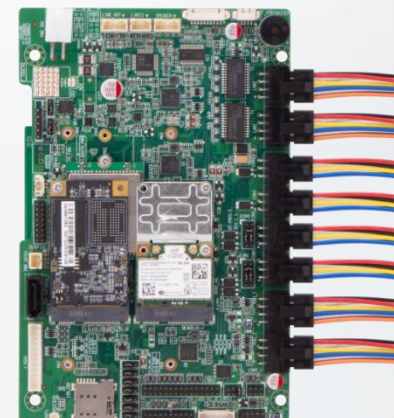
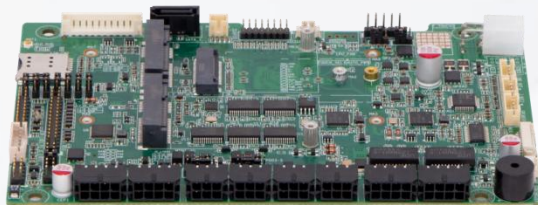
<b>Adapter</b>	<b>1*12V 7A adapter</b>
<b>Power Cable</b>	<b>1*Power Cable (M12 type port) (The type is depends on the national standard of the buyer)</b>
<b>Cable</b>	<b>2pcs M12 type for network port (1*network port can weld 1*M12 type port)</b>
<b>Cable</b>	<b>2pcs M12 type for USB port (2*USB port can weld 1*M12 type type port)</b>
<b>Cable</b>	<b>2pcs M12 type for COM port (2*COM port can weld 1*M12 type port)</b>
<b>Cable</b>	<b>1pcs M12 type for VGA port (1*VGA port can weld 1*M12 type port)</b>
<b>Antenna</b>	<b>1*antenna for WIFI (need option WIFI module)</b>
<b>Antenna / GPS cable</b>	<b>1*antenna+1*GPS cable for 4G module (need option 4G module)</b>

## 7.Mother Board Picture

Main mother board+core mother board design



The full interface is an on-board terminal, which makes it easier to solder the M12





## 8.Dimension

