

QY-P6121-Vehicle



- 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
- The front F1-F7 buttons support custom functions
- Special products for vehicles, resistant to high-intensity current
- Support Windows / Linux operating system



1.Mother Board Specification

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

2.Screen Specification

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

3.Machine Specification

Power Input	DC 9-36V (Max to 1*M12 type port)
Working Temperature	-30°C to 70°C
Storage Temperature	-30°C to 70°C
Humidity	90% (20±50°C)
Size	300mm*249mm*58mm
Installation	Wall mount (VESA)
Button	Front panel F1-F7, support custom functions
	Brightness adjustment / switch button
Front Panel Protection	Whole machine IP66 water proof
Cooling	Alum alloy chassis,conduction heat dissipation

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)

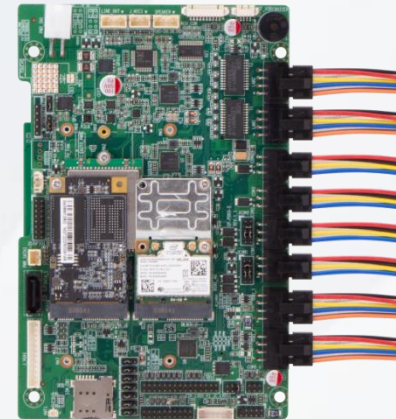
RAM	DDR 3	4GB / 8GB
	DDR 4	4GB / 8GB / 16GB
Storage	MSATA	64GB / 128GB / 256GB / 512GB
GSM Module	4G	4G+GPS
	5G	5G+GPS
WIFI Module	7260an / 7260ac / AX210	
CAN card	2 road CAN	

6.Package List

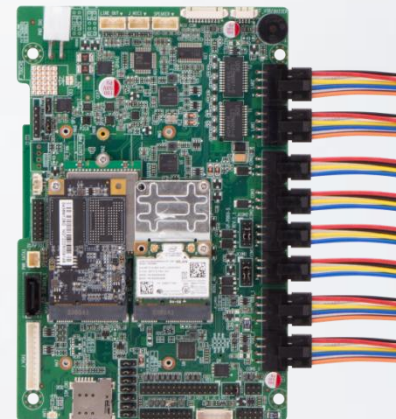
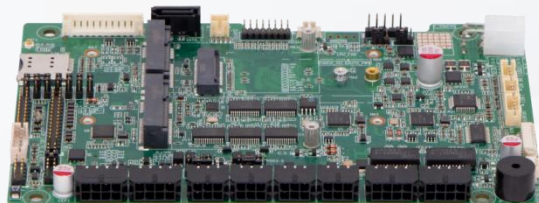
Adapter	1*12V 7A adapter
Power Cable	1*Power Cable (M12 type port) (The type is depends on the national standard of the buyer)
Cable	2pcs M12 type for network port (1*network port can weld 1*M12 type port)
Cable	2pcs M12 type for USB port (2*USB port can weld 1*M12 type type port)
Cable	2pcs M12 type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

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

