

## QY-P8101

### Products Features:

1. Industrial-Grade Embedded Fanless Panel PC
2. 10.1 inch LED Screen, Resolution: 1280\*800
3. Support Capacitive and Resistive Touch Screen
4. Intel Celeron and Core 4/6/7/8/10th-i3/i5/i7 CPU
5. 2\*RJ-45, 4\*USB, 6\*COM
6. 1\*Mini PCIE Expansion Slot, Support 4G and WIFI module
7. DC 12V Power Input With Overvoltage Protection
8. -20°C~50°C Temperature Can Keep 24/7 Work Stably
9. Anti-Static, Anti-Pulse, Anti-Surge, Anti-Radiation



## 1.Mother Board Specification:

Model	QY-P8101	
CPU	J1900 i5-4260U	N95 / N100 / J6412 i3:7100U i5:6200U/7200U/8260U/10210U i7: 7500U / 10610U
Memory	1*DDRIII RAM Slot,Upto8GB	1*DDRIII RAM Slot,Upto16GB
Storage	1*MSATA SSD Slot	
Expansion	1*Mini PCIE Slot, Support 4G and WIFI module	
Ethernet	2*Intel i210v LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)	
USB	4*USB 3.0 (Type-A)	
COM	2*RS-232 / 485 (DB9 type) 1*RS-232 / 485+4*RS-232 (Phoenix Terminal type)	
Audio	1*Line-Out	

## 2.Screen Specification:

Screen Size	10.1 inch TFT LED Screen, 16:10 Size	
Resolution	1280*800	
Brightness	350nits	
Contrast	800:1	
Largest Colorful	16M	
Touch Screen Type	Capacitive	Resistive
Transmittance	More than 95%	More than 95%
Touch Life	50 million times	35 million time
Response Time	<5ms	<5ms
Touch Hardness	6 Mohs	
Protection	Front Panel IP65 Water Proof	

## 3.Device Specification:

Power Input	DC 12V with overvoltage protection (Support optional DC 9-36V Wide Voltage Power Module)
	Support Auto-Start
	2 Pin Phoenix Terminal type DC Plug
Structure	Fully Enclosed Aluminum Alloy Material
Heat Dissipation	Fanless Design, Conduction Heat Dissipation
Installation	Desktop / Embedded / Wall Mount
Size	258mm*172mm*53.5mm
System	Windows and Linux

## 4.Optional Specification:

Screen	Brightness	Optional 1000 nits LED screen
	Anti-Glare	Optional
	Full Lamination	Optional

## 5. Ordering Information:

Model	CPU	LAN	USB	COM	RAM	Display	SSD	Expansion	Power
QY-P8101	J1900	2	4	2*RS-232/485 4*RS-232	1*DDR 3 Up to 8GB	None	1*MSATA	1*Mini PCIE	DC 12V
	4th				1*DDR 4 Up to 16GB				
	6th / 7th 8th/10th								
	N95 / N100								
	J6412				1*HDMI	1*Mini PCIE 1*M.2		DC 12V	

## 6. Package List:

Adapter	1*12V 5A Adapter
Power Cable	1*Power Cable
Mount Clamp	4*Mount Clamp

## 7.CPU Information:

CPU	Specification	
J1900	4 core, 4 total threads, 2.00 GHz to 2.42GHz, 2 MB cache	Max to 8GB for 1*DDR 3 Slot
i5-4260U	2 core, 4 total threads, 1.40 GHz to 2.70GHz, 3 MB cache	Max to 8GB for 1*DDR 3 Slot
J6412	4 core, 4 total threads, 2.00 GHz to 2.60GHz, 1.5 MB cache	Max to 16GB for 1*DDR 4 Slot
N100	4 core, 4 total threads, 3.40 GHz, 6 MB cache	Max to 16GB for 1*DDR 4 Slot
J6412	4 core, 4 total threads, 2.00 GHz to 2.60GHz, 1.5 MB cache	Max to 16GB for 1*DDR 4 Slot
i5-6200U	2 core, 4 total threads, 2.30 GHz to 2.80GHz, 3 MB cache	Max to 16GB for 1*DDR 4 Slot
i3-7100U	2 core, 4 total threads, 2.40 GHz, 3MB cache	Max to 16GB for 1*DDR 4 Slot
i5-7200U	2 core, 4 total threads, 2.50 GHz to 3.10GHz, 3 MB cache	Max to 16GB for 1*DDR 4 Slot
i7-7500U	2 core, 4 total threads, 2.70 GHz to 3.50GHz, 4 MB cache	Max to 16GB for 1*DDR 4 Slot
i5-8260U	4 core, 8 total threads, 1.60 GHz to 3.90 GHz, 6MB cache	Max to 32GB for 1*DDR 4 Slot
i5-10210U	4 core, 8 total threads, 1.60 GHz to 4.20 GHz, 6MB cache	Max to 32GB for 1*DDR 4 Slot
i7-10610U	4 core, 8 total threads, 1.80 GHz to 4.90 GHz, 8MB cache	Max to 32GB for 1*DDR 4 Slot

## 8.System Information:

CPU	System
J1900	Windows 7 / 10 and Linux
4th / 6th / 7th	
N95 / N100 / J6412	Windows 10 /11 and Linux
8th / 10th	

## 9.Fittings Information:

RAM	DDR3	4GB / 8GB
	DDR4	4GB / 8GB / 16GB / 32GB
SSD	MSATA	64GB / 128GB / 256GB / 512GB / 1TB
GSM Module	4G	4G+GPS
WIFI Module		7260AC / AX210

## 10.Dimensions:

