

QY-P8070



Products Features:

1. Industrial-Grade Embedded Fanless design Panel PC
2. 7 inch LED Screen, Resolution: 800*480
3. Capacitive and Resistive touch screen
4. Intel Celeron and Core 4/6/7/8/10th-i3 / i5 / i7 CPU
5. 2*LAN, 4*USB, 6*COM
6. 2*Mini PCIE Expansion Slots, Support 4G and WIFI Module
7. -20°C~60°C Temperature Can Keep 24/7 Work Stably
8. DC 12V Power

 **Windows 7**  **Windows 10**  **Windows 11**

Linux 

FC

IEC

RoHS

CE

EAC

1-1.Mother Board Specification:

Model	QY-P8070
CPU	J1900 / i5-4260U
Memory	1*DDR III RAM Slot, Up to 8GB
Storage	1*MSATA SSD
Expansion	2*Mini PCIE Slots, Support 4G and WIFI module
Ethernet	2*Intel i210V LAN chip (10 / 100 / 1000 Mbps, RJ-45)
USB	2*USB 3.0 (Type-A) 2*USB 2.0 (Type-A)
COM	1*RS-232 / 422 / 485 (DB9 type) 1*RS-232 / 485 (Phoenix terminal type) 4*RS-232 (Phoenix terminal type)
Audio	1*Line-OUT

1-2.Mother Board Specification:

Model	QY-P8070
CPU	J4125 / J6412 i3: 7100U i5: 7200U / 8260U / 10210U i7: 7500U / 10610U
Memory ^[1]	1*DDR III RAM Slot, Up to 16GB
Storage	1*MSATA SSD
Expansion	2*Mini PCIE Slots, Support 4G and WIFI module
Ethernet	2*Intel i210V LAN chip (10 / 100 / 1000 Mbps, RJ-45)
USB	4*USB 3.0 (Type-A)
COM	1*RS-232 / 422 / 485 (DB9 type) 1*RS-232 / 485 (Phoenix terminal type) 4*RS-232 (Phoenix terminal type)
Audio	1*Line-OUT

Notes:

[1]: The maximum memory capacity and the maximum capacity per strip supported by this motherboard depend on the CPU.

2.LED Screen Specification:

Screen Size	7 inch TFT LED Screen, 4:3 Size	
Resolution	800*480	
Brightness	350nits	
	Support optional 500 / 700 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
Touch Hardness	6 Mohs	

3.Device Specification:

BIOS	AMI UEFI BIOS (Support Watch Dog Timer)
Power Input	DC 12V
	Support optional DC 9-36V wide voltage power input
	Support AT / ATX
	2*Pin Phoenix Terminal DC Plug
Working Temperature	-30°C~70°C, Support 24/7 Working
Size	212mm*144mm*55mm
Structure	Fully Enclosed Aluminum Alloy Material
Heat dissipation	Fanless Design, Conduction Heat Dissipation
Installation	Desktop / Embedded / Wall-Mounted
System	Windows 7 / 10 / 11 and Linux

4.Ordering Information:

Model	CPU	LAN	USB	COM	Display	RAM	SSD	Expansion	Power Input
P8070	j1900	2	4	6	None	1*DDR 3	1*MSATA	2*Mini PCIE	DC 12V
	4th								
	J4125/J6412								
	6th/7th 8th/10th					1*DDR 4			

5.CPU Information:

CPU	Specification
J1900	4 core, 4 total threads, 2.00 GHz to 2.42 GHz, 2 MB cache
i5-4260U	4 core, 4 total threads, 2.00 GHz to 2.42 GHz, 2 MB cache
J4125	4 core, 4 total threads, 2.00 GHz to 2.70 GHz, 4 MB cache
J6412	4 core, 4 total threads, 2.00 GHz to 2.60 GHz, 1.5 MB cache
i5-6200U	2 core, 4 total threads, 2.30 GHz to 2.80 GHz, 3 MB cache
i3-7100U	2 core, 4 total threads, 2.40 GHz, 3 MB cache
i5-7200U	2 core, 4 total threads, 2.50 GHz to 3.10 GHz, 3 MB cache
i7-7500U	2 core, 4 total threads, 2.70 GHz to 3.50 GHz, 4 MB cache
i5-8260U	4 core, 8 total threads, 1.60 GHz to 3.90 GHz, 6 MB cache
i5-10210U	4 core, 8 total threads, 1.60 GHz to 4.20 GHz, 6 MB cache
i7-10610U	4 core, 8 total threads, 1.80 GHz to 4.90 GHz, 8 MB cache

5.System Information:

CPU	Specification
J1900	Windows 7 / 10 and Linux
4th / 6th	Windows 7 / 10 and Linux
7th ^[1]	Windows 7 / 10 and Linux
J4125 / J6412	Windows 10 / 11 and Linux
8th / 10th	Windows 10 / 11 and Linux

6.Fittings Information:

RAM ^[2]	DDR 3	4GB / 8GB
	DDR 4	4GB / 8GB / 16GB
Storage ^[3]	MSATA	64GB / 128GB / 256GB / 512GB / 1TB
GSM Module ^[4]	4G	4G+GPS function
WIFI Module	7260AC / AX210	

7.Package List:

Adapter ^[5]	1*12V 5A adapter
Power Cable ^[6]	1*Power Cable

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]: CPU low than 8th equipped 5A adapter, More than 8th equipped 7A adapter

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

8.Dimensions:

