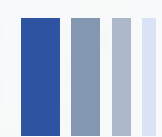


QY-P8121-DC

Products Features:

1. Industrial-Grade Embedded Fan Design Panel PC
2. 12.1 inch LED Screen, Resolution: 1024*768
3. Support Capacitive and Resistive Touch Screen
4. Intel B365 Chipset
5. Support Intel Celeron and Core 6/7/8/9th-i3/i5/i7/i9 CPU
6. 2*RJ-45, 4*USB, 6*COM, 1*HDMI
7. 1*Mini PCIE Expansion Slot, Support 4G and WIFI module
8. DC 9-36V Power Input With Overvoltage Protection
9. -30°C~70°C Temperature Can Keep 24/7 Work Stably
10. 1*Multifunction Daughter card slot
11. Anti-Static, Anti-Pulse, Anti-Surge, Anti-Radiation





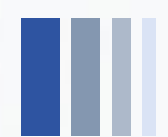
1.Mother Board Specification:

Model	QY-P8121-DC
Chipset	B365
CPU	Celeron Pentium 6 / 7 / 8 / 9th-i3 / i5 / i7 / i9 Desktop CPU
Memory ^[1]	2*DDR III RAM Slots, Up to 64GB
Storage	1*M.2 NVME SSD Slot
Display ^[2]	1*HDMI: Resolution up to 4096*2106@24Hz
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 / 422 / 485 (DB9 type) 4*RS-232 (DB9 ype)
Audio	1*Line-Out
Daughter Card	Support expansion more I/O interfaces and functional slots

Notes:

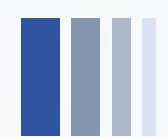
[1]: The maximum memory capacity and the maximum capacity per strip supported by this motherboard depend on the CPU.

[2]: The maximum resolution and frame rate of the display interface output depends on the CPU.



2.Screen Specification:

Screen Size	12.1 inch TFT LED Screen, 4:3 Size	
Resolution	1024*768	
Brightness	350nits	
	Support optional 500 / 800 / 1000 nits	
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	7 Mohs	
Protection	Front Panel IP65 Water Proof	
Camera	Support optional camera (Built-in, 200w or 500w)	



3.Device Specification:

Power Input	DC 9-36V with overvoltage protection
	Support Auto-Start
	2 Pin Phoenix Terminal type DC Plug
Working Temperature	-30℃~70℃, Support 24/7 Working
Structure	Fully Enclosed Aluminum Alloy Material
Heat Dissipation	Fan Design
Installation	Desktop / Embedded / Wall Mount
Size	298.3mm*238.3mm*68mm
System	Windows and Linux

4. Daughter Card Specification:

COM Port-2	2*RS-232 / 485 (DB9 type)
COM Port-6	4*RS-232 / 485+2*RS-232 (Phoenix terminal type)
Ethernet Port-2	2*Intel i211V LAN Chip (RJ-45 type)
Ethernet Port-4	4*Intel i211V LAN Chip, Support POE function (RJ-45 type)
USB Port-4	4*USB 3.0 (Type-A)
GPIO Port-14	14 ports GPIO, 7*GPI+7*GPO, 0-3.3V (Phoenix terminal type)
DIDO Port-16	16 ports DIDO, 8*DI+8*DO, 24V (Phoenix terminal type) Comes with 4*RS-485 COM ports (Phoenix terminal type)
Mini PCIE Slot-2	2*Mini PCIE slots, Support 4G and WIFI module
M.2 Slot-1	1*M.2 Key-B slot, Support 5G module
M.2 NVME SSD Slot-1	1*M.2 NVME SSD slot
SATA SSD Slot-1	1*SATA 3.0 SSD Slot, Support RAID 1
CAN Port-2	2*CAN interfaces (Phoenix terminal type)
UPS battery	1.2AH or 4.8AH



6-way COM



2.5-inch SSD



2-channel COM



14 GPIO channels



CAN+GPIO



DIDO



UPS power supply



4-channel USB



Dual Gigabit Ethernet ports



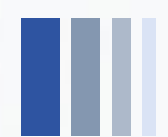
Four Gigabit Ethernet port



M.2 SSD



4G WIFI GPS



5.Ordering Information:

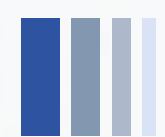
Model	CPU	LAN	USB	COM	RAM	Display	SSD	Expansion	Power
QY-P8121-DC	B365	2	4	2*RS-232/422/485 4*RS-232	2*DDR 4 Up to 64GB	1*HDMI	1*M.2 NVME	1*Mini PCIE	DC 9-36V

6.Package List:

Adapter	1*12V 10A Adapter
Power Cable	1*Power Cable
Mount Clamp	4*Mount Clamp

7.System Information:

CPU	System
6th / 7th	Windows 7 / 10 and Linux
9th / 9th	Windows 10 / 11 and Linux



8.Fittings Information:

RAM	DDR 4	4GB / 8GB / 16GB / 32GB
SSD	M.2 NVME	128GB / 256GB / 512GB / 1TB / 2TB / 4TB
	SATA	120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB / 4TB
GSM Module	4G	4G+GPS
	5G	5G+GPS
WIFI Module	7260AN / 7260AC / AX210	
CAN BUS Module	2 ports CAN BUS interfaces	

9.Dimensions:

