

QY-B5400



Products Features:

1. Industrial-Grade Embedded Full-IP66 Fanless Mini PC
2. Support Intel Celeron and 4 / 6 / 7 / 8 / 10th-i5 / i7 CPU
3. 2*LAN, 4*USB, 6*COM, 1*VGA, 8*GPIO (M12 type)
4. Anti-Static, Anti-Pulse, Anti-Surge, Anti-Radiation
5. -30°C~70°C Temperature Can Keep 24/7 Work Stably
6. 1*Mini PCIE +1*M.2 Expansion Slots, Support 4G and WIFI
7. DC 9-36V Power Input with Overvoltage Protection



1. Mother Board Specification:

Model	QY-B5400	
CPU	J1900、 i5-4260U	i5: 6200U/7200U/8260U/10210U i7: 7500U/10610U
Memory	1*DDR III RAM Slot, Up to 8GB	1*DDR IIII RAM Slot, Up to 16GB
Storage	1*MSATA SSD Slot	
Display^[1]	1*VGA: Resolution up to 1920*1200@60Hz (Internal, Header)	
Expansion	1*Mini PCIE slot for WIFI 1*M.2 Slot for 4G/5G	
Ethernet^[2]	2*Intel I210V LAN chip, 10 / 100 / 1000 Mbps (Internal, Terminal)	
USB^[3]	4*USB 3.0 (Internal, Terminal) 1*USB 2.0 (Internal, Header)	
COM^[4]	2*RS-232 / 422 / 485 (COM1-2, Internal, Terminal) 4*RS-232 (COM3-6, Internal, Terminal)	
GPIO^[5]	8 ports GPIO (Internal, Terminal)	
CAN^[6]	2 ports CAN (Internal, Optional)	

Notices:

[1] [2][3][4]: All ports will be welded to M12 type: 1*VGA port=1*M12 port,
1*Ethernet port=1*M12 port, 2*USB ports=1*M12 port, 2*COM ports=1*M12 port

[5]: GPIO is an optional interface and is not equipped bu default. GPIO
ports=1*M12 port.

[6]: CAN port is an optional interface and is not equipped bu default. CAN
ports=1*M12 port. Need to match CAN module.

Default: 1*Power supply port+2*Ethernet ports+4*USB ports+1*RS-485+1*RS-232
ports+1*VGA port (Total 7*M12 ports), Please inform the sales person of the
specific specifications you require if you require interfaces beyond the default
configuration.

2. Device Specification:

BIOS	AMI UEFI BIOS (Support Watch Dog Timer)
Power Input	DC 9-36V, Overvoltage Protection
	Support AT / ATX
	M12 port (Internal, Terminal)
Working Temperature	-30°C~70°C, Support 24/7 Working
Size	260mm*152mm*43mm
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
Water Proof	Full IP66

3. Ordering Information (Default):

Model	CPU	LAN	USB	COM	Display	RAM	SSD	Expansion	Power Input
QY-B5400	J1900 4th	2	4	2	1*VGA	1*DDR 3	1*MSATA	1*Mini PCIE 1*M.2	DC 9-36V
	6th, 7th 8th, 10th					1*DDR 4			

4. CPU Information:

CPU	Specification
J1900	4 core, 4 total threads, 2.00 GHz to 2.42GHz, 2 MB cache
i5-4260U	4 core, 4 total threads, 2.00 GHz to 2.42GHz, 2 MB cache
i5-6200U	2 core, 4 total threads, 2.30 GHz to 2.80GHz, 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 / 4th / 6th	Windows 7 / 10 and Linux
7th	Windows 7 / 10 and Linux ^[1]
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
	5G	5G+GPS function
WIFI Module	7260AC / AX210	
CAN Module ^[5]	2 ports CAN interfaces	

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]: Optional module, Please inform the business staff in advance which system you are using the CAN module (it cannot be adapted to both Windows and Linux systems)

7.Package List:

Adapter ^[1]	1*12V 7A adapter
Power Cable ^[2]	1*Power Cable
M12 Cable-1	Ethernet M12 port cable
M12 Cable-2	Ethernet M12 port cable
M12 Cable-3	USB M12 port cable
M12 Cable-4	USB M12 port cable
M12 Cable-5	VGA M12 port cable
M12 Cable-6	RS-232+RS-485 M12 port cable

Notices:

[1]: CPU low than 8th equipped 5A adapter, More than 8th equipped 7A adapter.
One side will be welded with M12 port.

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

The default cable length is 1.5m, if you need other lengths, please inform the business personnel in advance

8. Dimensions:

