

QY-B5900



Products Features:

1. Industrial-Grade Embedded Fan Mini PC
2. Intel H310 chipset, Support Celeron, Pentium, Core CPU
3. 2*LAN, 4*USB, 4*COM, 2*HDMI, 1*DP
4. 2*Mini PCIE Expansion Slots, Support 4G and WIFI Module
5. -30°C~70°C Temperature Can Keep 24/7 Work Stably
6. DC 9-36V Power Input with Overvoltage Protection
7. Anti-Static, Anti-Pulse, Anti-Surge, Anti-Radiation



1.Mother Board Specification:

Model	QY-B5900
Chipset	Intel H310
CPU	Support Intel® 8-9th Generation Core / Pentium/ Celeron Desktop CPU, LGA1151 Support MAX CPU TDP: Hexa-Core 65W
Memory^[1]	2*DDR III RAM Slots, Up to 64GB
Storage	1*M.2 SATA SSD
Display^[2]	2*HDMI: Resolution up to 4090*2160@60Hz 1*DP: Resolution up to 4090*2160@60Hz
Expansion	2*M.2 Slots, Support 4G and WIFI module
Ethernet	2*Realtek 8211F LAN chip (10 / 100 / 1000 Mbps, RJ-45)
USB	4*USB 3.0 (Type-A)
COM	2*RS-232 / 422 / 485 (DB9 type) 2*RS-232 (DB9 type)
Audio	1*Line-In+1*Line-Out

Notes:

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

[2]: The maximum resolution that can be output by the display interface depends on the CPU, please refer to the Intel official website for detailed output resolution.

2. Device Specification:

BIOS	AMI UEFI BIOS (Support Watch Dog Timer)
Power Input	DC 9-36V, Overvoltage Protection
	Support AT / ATX
	4*Pin Phoenix Terminal DC Plug
Working Temperature	-20°C~60°C, Support 24/7 Working
Size	227mm*230mm*82mm
Structure	Fully Enclosed Aluminum Alloy Material
Heat dissipation	Fan Design
Installation	Desktop / Embedded / Wall-Mounted
System	Windows 10 / 11 and Linux

3. Ordering Information:

Model	Chipset	LAN	USB	COM	Display	RAM	SSD	Expansion	Power Input
B5900	H310	2	4	4	2*HDMI 1*DP	2*DDR 4	1*M.2 SATA	2*M.2	DC 9-36V

4. CPU Information^[1]:

Chipset	Gen	List
H310	i3	8th: 8100、8100T、8300、8300T 9th: 9100、9100T、9300、9300T、9320
	i5	8th: 8400、8400T、8500、8500T、8600、8600T、8600K 9th: 9400、9400T、9500、9500T、9600、9600T、9600K
	i7	8th: 8700、8700T、8700K、8705G、8706G、8709G、8086K、8700B 9th: 9700、9700T、9700K
	i9	9th: 9900、9900T、9900K、9900KS
	Celeron G	G4900、G4900T、G4920、G4930、G4930T、G4950
	Pentium Gold	G5400、G5400T、G5420、G5420T、G5500、G5500T、G5600、G5600T

5. System Information:

CPU	Specification
Celeron G Series	Windows 10 / 11 and Linux
Pentium Gold Series	Windows 10 / 11 and Linux
8 / 9th	Windows 10 / 11 and Linux

6. Fittings Information:

RAM ^[2]	DDR 4	4GB / 8GB / 16GB / 32GB
Storage ^[3]	M.2 SATA	128GB / 256GB / 512GB / 1TB / 2TB / 4TB
GSM Module ^[4]	4G	4G+GPS function
WIFI Module	7260AC / AX210	

7. Package List:

Adapter	1*12V 10A adapter
Power Cable ^[5]	1*Power Cable

Notices:

[1]: The CPU in the list are recommended. If you need other CPU supported by H310, please communicate with the business personnel.

[2][3]: By default the industrial grade for RAM and SSD are used, and the minimum configuration is recommended to be 4+128GB.

[4]: Different countries and regions are applicable to different versions, please inform the business staff in advance when ordering.

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

8. Dimensions:

