

QY-B5700-C Compound Series

Products Features:

1. Industrial-Grade Embedded Fanless Mini PC
2. Intel Celeron and Core 7/8/10/11/12th-i3 / i5 / i7 CPU
3. 2*LAN, 8*USB, 6*COM, 1*HDMI, 1*VGA, 14*GPIO
4. 2*Mini PCIE Expansion Slots, Support 4G and WIFI Module
5. 1*Multifunctional Expansion Daughter Card
6. DC 9-36V Power Input With Overvoltage Protection
7. -30°C~70°C Temperature Can Keep 24/7 Work Stably
8. Anti-Static, Anti-Pulse, Anti-Surge, Anti-Radiation



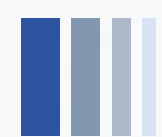
1.Mother Board Specification:

Model	QY-B5700-C
CPU	J6412 i3-7100U / 10110U i5-7200U / 7267U / 8260U / 10210U / 1135G7 / 1235U i7-7500U / 10610U / 10710U / 1165G7 / 1255U
Memory ^[1]	1*DDR III RAM Slot, Up to 16GB
Storage	1*MSATA SSD Slot
Display ^[2]	1*HDMI: Resolution up to 4096*2304@24Hz 1*VGA: Resolution up to 1920*1200@60Hz
Expansion	2*Mini PCIE Slots, 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) 4*USB 2.0 (Type-A)
COM	2*RS-232 / 422 / 485 (DB9 Type) 4*RS-232 (DB9 Type)
GPIO	14 ports GPIO (7*GPI+7*GPO, Phoenix Terminal 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 and frame rate of the display interface output depends on the CPU.

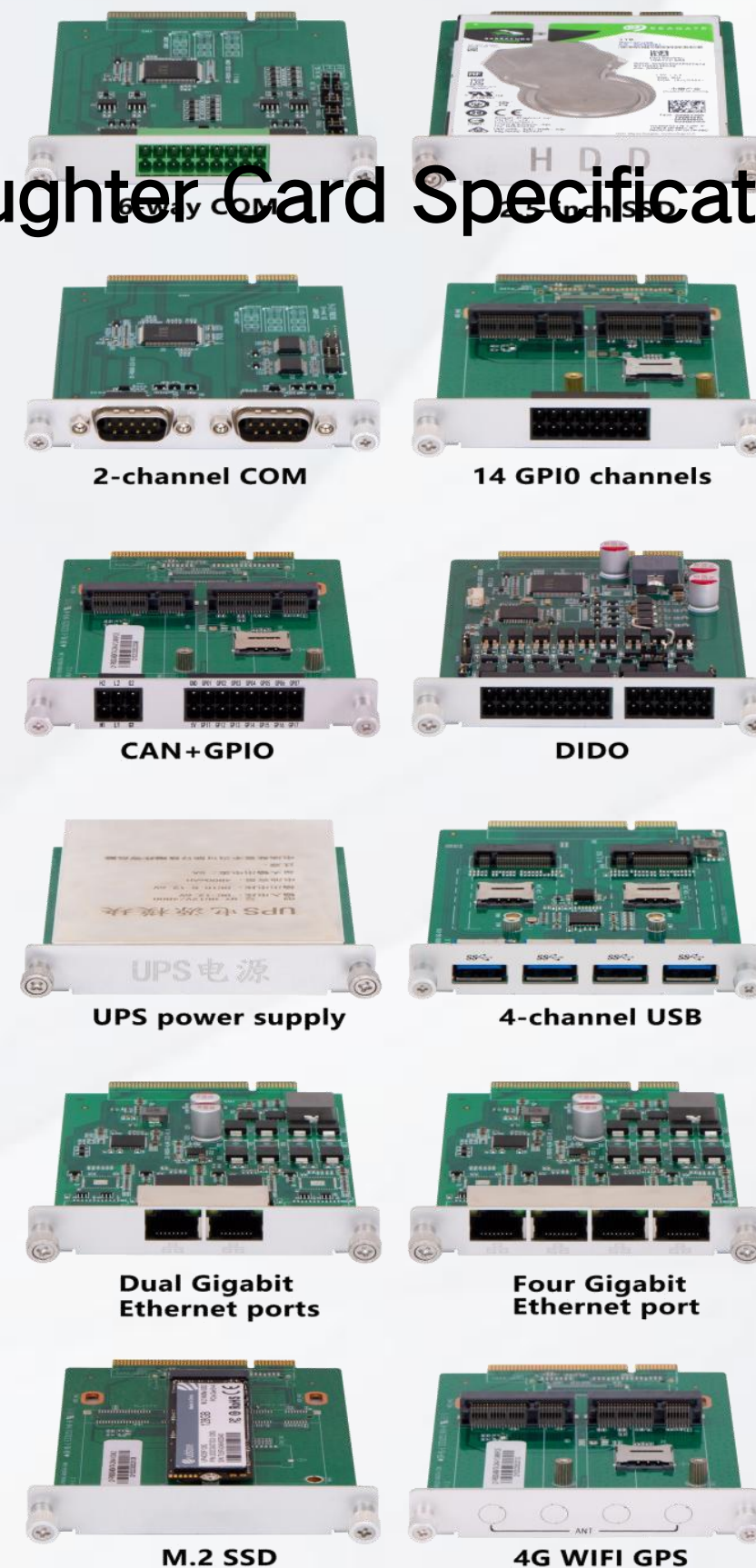


2.Device Specification:

Watch Dog	Support
Power Input	DC 9-36V With Overvoltage Protection
	Support Auto-Start
	3 Pin Phoenix Terminal Type DC Plug
Working Temperature	-30℃~70℃, Support 24/7 Working
Structure	Fully Enclosed Aluminum Alloy Material
Heat Dissipation	Fanless Design, Conduction Heat Dissipation
Installation	Desktop / Embedded / Wall Mount
Size	234mm*175mm*65mm
System	Windows and Linux

3. 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



4.Ordering Information:

Model	CPU	LAN	USB	COM	Display	RAM	SSD	Expansion	Power
QY-B5700-C	J6412/6th/7th	2	8	2*RS-232/422/485 4*RS-232	1*HDMI 1*VGA	1*DDR 4 Up to 16GB	1*MSATA	2*Mini PCIE	DC 9-36V
	8th / 10th 11th / 12th					1*DDR 4 Up to 32GB			

5.CPU Information:

CPU	Specification	
J6412	4 core, 4 total threads, 2.00 GHz to 2.60GHz, 1.5 MB cache	Max to 16GB for 1*DDR 4 Slot
i3-7100U	core, 4 total threads, 2.20 GHz to 3.40GHz, 3 MB cache	Max to 16GB for 1*RAM 4 slot
i5-7200U	2 core, 4 total threads, 2.50 GHz to 3.10 GHz, 3 MB cache	Max to 16GB for 1*RAM 4 slot
i5-7267U	2 core, 4 total threads, 3.10 GHz to 3.50 GHz, 4 MB cache	Max to 16GB for 1*RAM 4 slot
i7-7500U	2 core, 4 total threads, 2.70 GHz to 3.50 GHz, 4 MB cache	Max to 16GB for 1*RAM 4 slot
i5-8260U	4 core, 8 total threads, 1.60 GHz to 3.90 GHz, 6 MB cache	Max to 32GB for 1*RAM 4 slot
i3-10110U	2 core, 4 total threads, 2.10 GHz to 4.10 GHz, 4 MB cache	Max to 32GB for 1*RAM 4 slot
i5-10210U	4 core, 8 total threads, 1.60 GHz to 4.20 GHz, 6 MB cache	Max to 32GB for 1*RAM 4 slot
i7-10610U	4 core, 8 total threads, 1.80 GHz to 4.90 GHz, 8 MB cache	Max to 32GB for 1*RAM 4 slot
i7-10710U	6 core, 12 total threads, 1.10 GHz to 4.70 GHz, 12 MB cache	Max to 32GB for 1*RAM 4 slot
i5-1135G7	4 core, 8 total threads, 4.20 GHz, 8 MB cache	Max to 32GB for 1*RAM 4 Slot
i7-1165G7	4 core, 8 total threads, 2.80 GHz to 4.70 GHz, 12 MB cache	Max to 32GB for 2*RAM 4 Slot
15-1235U	10 core, 12 total threads, 3.30 GHz to 4.40 GHz, 12MB cache	Max to 32GB for 2*RAM 4 Slot
i7-1255U	10 core, 12 total threads, 3.50 GHz to 4.70 GHz, 12MB cache	Max to 32GB for 2*RAM 4 Slot

6. System Information:

CPU	System
6th / 7th	Windows 7 / 10 and Linux
J6412 / 8th / 10th	Windows 10 / 11 and Linux
11th / 12th	

7. Fittings Information:

RAM	DDR 4	4GB / 8GB / 16GB / 32GB
Storage	MSATA	64GB / 128GB / 256GB / 512GB / 1TB
	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*CAN BUS Ports	

8. Package List:

Adapter	1*12V 5A Adapter
Power Cable	1*Power Cable
Terminal	2 Pin phoenix terminal for Power Switch
Terminal-2	2*8 Pin phoenix terminal for GPIO

9. Dimensions:

