



MODEL. QY-B5700-C

Fanless Design Industrial Box PC



Introduction

QY-B5700-C Series Industrial Box PC โดยมาพร้อมการออกแบบรองรับแรงดันไฟฟ้ากว้าง อีกทั้งยังมีระบบป้องกันแรงดันเกินและกระแสเกิน พร้อมรองรับตัวเลือกหน่วยประมวลผลหลายรุ่น ภายในมีช่องเสียบการ์ดขยายอเนกประสงค์ 1 ช่อง รองรับระบบปฏิบัติการ Windows และ Linux ตัวเครื่องติดตั้งโปรเซสเซอร์บนบอร์ด ได้แก่ Celeron J6412 และ Intel Core i3/i5/i7 เจเนอเรชัน 7-12th รองรับการเชื่อมต่อเครือข่าย 4G เพื่อให้สอดคล้องกับความต้องการด้านการสื่อสาร รองรับการสื่อสารแบบคู่ WiFi และ Bluetooth รองรับการเชื่อมต่อกับอุปกรณ์ต่อพ่วงพื้นฐานได้อย่างครบถ้วน



Specification

Mother Board Specification

Model	QY-B5700-C		
CPU	Celeron J6412	i3: 7100U i5: 7200U / 7267U / 8250U i7: 7500U / 8550U	i3: 10110U / 1115G4 / 1215U i5: 10310U / 1135G7 / 1235U i7: 10710U / 1195G7 / 1255U / 1270P
Memory	2*DDR4 RAM Slots, Up to 32GB	2*DDR4 RAM Slots, Up to 32GB	2*DDR4 RAM Slots, Up to 64GB
Storage	1*MSATA SSD Slot	1*M.2 NVME SSD Slot	
	1*SATA SSD Slot		
Display	1*HDMI: Resolution up to 4096*2304@60Hz / 1*VGA: Resolution up to 1920*1200@60Hz		
Expansion	2*Mini PCIE Slots Support 4G/5G and WIFI module		2*M.2 Slots Support 4G/5G 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) / 1*USB 2.0 (Type-A, Built-in)		
COM	4*RS-232 / 422 / 485 (DB9 Type) / 2*RS-232 (DB9 Type)		
GPIO	14 ports GPIO (7*GPI+7*GPO, Phoenix Terminal Type)		
Audio	1*Line-In+1*Line-Out		

Note:

- [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.

Fittings Information

RAM	DDR4	4GB / 8GB / 16GB / 32GB
SSD	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	7260AC / AX210	
CAN BUS Module	2*CAN BUS Ports	



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 (RJ-45 type,POE function optional)
10G Ethernet Port-2	2*10Gbps Ethernet Ports
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)
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
DIDO Port-16	16 ports DIDO, 8*DI+8*DO, 24V, Isolation (Phoenix terminal type) Comes with 4*RS-485 COM ports (Phoenix terminal type)



6-way COM



2.5-inch SSD



UPS power supply



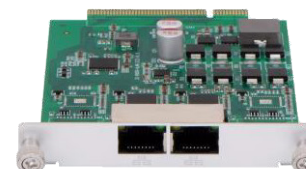
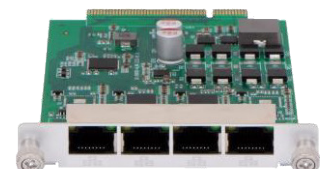
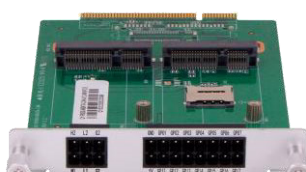
4-channel USB



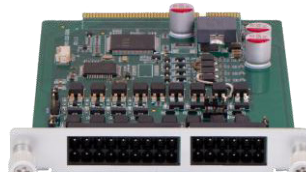
2-channel COM



14 GPIO channels

Dual Gigabit
Ethernet portsFour Gigabit
Ethernet port

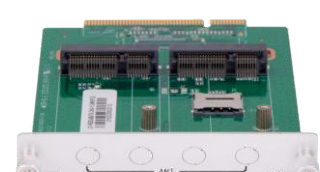
CAN+GPIO



DIDO



M.2 SSD



4G WIFI GPS

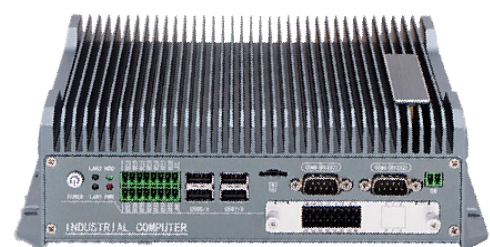


Device Specification

BIOS	AMI UEFI BIOS
Power Input	DC 9-36V, Overvoltage Protection
	Support Auto-Start
	2 Pin Phoenix Terminal Type DC Plug
RTC	Support
Working Temperature	-20°C - 70°C , Support 24/7 Working
Storage Temperature	-30°C - 80°C
Humidity	90% (20±50°C)
Size	236mm*183mm*72mm
Structure	Fully Enclosed Aluminum Alloy Material
Heat dissipation	Fanless Design, Conduction Heat Dissipation
Installation	Desktop / Embedded / Wall-Mounted
System	Windows and Linux

Ordering Information

Model	CPU	LAN	USB	COM	Display	RAM	SSD	Expansion	Power
QY-B5700-C	J6412	2	8	4*RS-232 422/485 2*RS-232	1*HDMI 1*VGA	2*DDR 4 Up to 32GB	1*MSATA 1*SATA	2*Mini PCIE	DC 9-36V
	7th / 8th					2*DDR 4 Up to 32GB	1*M.2 NVME 1*SATA		
	10th					2*DDR 4 Up to 64GB			
	11th / 12th					2*DDR 4 Up to 64GB		2*M.2	



CPU Information

CPU	Core	Threads	Frequency	Cache	Graphics
J6412	4	4	2.00-2.60GHz	1.5 MB	UHD Graphics
i3-7100U	2	4	2.40GHz	3 MB	HD Graphics 620
i5-7200U	2	4	2.50-3.10GHz	3 MB	HD Graphics 620
i5-7267U	2	4	3.10-3.50GHz	4 MB	Iris® Plus Graphics 650
i7-7500U	2	4	2.70-3.50GHz	4 MB	HD Graphics 620
i5-8250U	4	8	1.60-3.40GHz	6 MB	UHD Graphics 620
i7-8550U	4	8	1.80-4.00GHz	8 MB	UHD Graphics 620
i3-10110U	2	4	2.10-4.10GHz	4 MB	UHD Graphics
i5-10310U	4	8	1.70-4.40GHz	6 MB	UHD Graphics
i7-10710U	6	12	1.10-4.70GHz	12 MB	UHD Graphics
i3-1115G4	2	4	3.00-4.10GHz	6 MB	UHD Graphics
i5-1135G7	4	8	2.40-4.20GHz	8 MB	Iris Xe Graphics
i7-1195G7	4	8	2.90-5.00GHz	12 MB	Iris Xe Graphics
i3-1215U	6	8	1.20-4.40GHz	10 MB	UHD Graphics
i5-1235U	10	12	1.30-4.40GHz	12 MB	Iris Xe Graphics
i7-1255U	10	12	1.70-4.70GHz	12 MB	Iris Xe Graphics
i7-1270P	12	16	2.20-4.80GHz	18 MB	Iris Xe Graphics

System Information

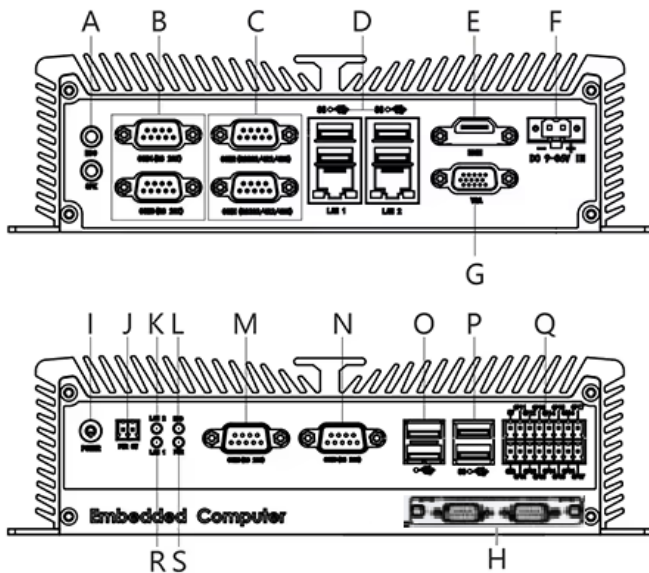
CPU	Specification
7th	Windows 7 / 10 and Linux
J6412 / 8th / 10th / 11th / 12th	Windows 10 / 11 and Linux



Package List

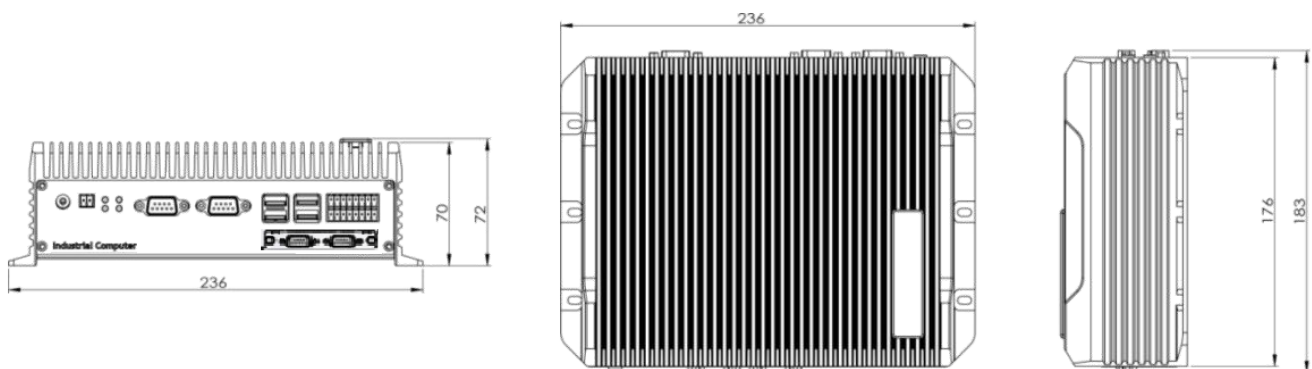
Adapter	1*12V 7A adapter
Power Cable	1*Power Cable (The type is depends on the national standard of the buyer)
Terminal	2 Pin phoenix terminal for Power Switch
Terminal-2	2*8 Pin phoenix terminal for GPIO

I/O Port



- A : SPK+MIC
 B : COM3/4
 (RS232)
 C : COM1/2 (RS
 232/422/485)
 D : LAN/USB
 E : HDMI
 F : DC 9-36 IN
 G : VGA
 H : Daughter Card
 I : POWER
 J : POWER SW
 K : LAN2 Poilct lamp
 L : HDD Poilct lamp
 M : COM6(RS232)
 N : COM5(RS232)
 O : USB
 P : USB
 Q : GPIO
 R : LAN1 Poilct lamp
 S : PWR Poilct lamp

Dimensions



Applications



Industrial Factory



Industrial Robot



WareHouse