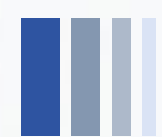


QY-B6100 Desktop CPU Series

Products Features:

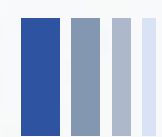
1. Industrial-Grade Embedded Fanless Mini PC
2. Intel H670 Chipset
3. Intel Celeron, Pentium and Core 12/13/14th-i3/i5/i7/i9 CPU
4. 2*LAN, 7*USB, 6*COM, 1*HDMI, 1*VGA, 1*DP, 14*GPIO
5. 1*Mini PCIE+1*M.2 Expansion Slots, Support 4G/5G and WIFI Module
6. 1*PCIE 16X+1*PCIE 1X or 2*PCI Slots
7. 2*Multifunctional Expansion Daughter Card
8. DC 19-36V Power Input With Overvoltage Protection
9. -30°C~70°C Temperature Can Keep 24/7 Work Stably
10. Anti-Static, Anti-Pulse, Anti-Surge, Anti-Radiation





1.Mother Board Specification:

Model	QY-B6100
Chipset	H670
CPU	Celeron G Series / Pentium Gold Series Core 12 / 13 / 14th-i3 / i5 / i7 / i9
Memory	2*DDR III RAM Slots, Up to 64GB
Storage	1*MSATA SSD Slot 1*M.2 NVME SSD Slot 1*SATA SSD Slots
Display	1*HDMI: Resolution up to 4096*2304@60Hz 1*DP: Resolution up to 4096*2304@60Hz 1*VGA: Resolution up to 1920*1200@60Hz
Expansion	1*Mini PCIE Slot+1*M.2 Slot, Support 4G/5G and WIFI module 1*PCIE 16X+1*PCIE 1X or 2*PCI
Ethernet	2*Intel i211V LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)
USB	4*USB 3.1+3*USB 3.0 (Type-A)
COM	4*RS-232 / 422 / 485+2*RS-232 (DB9 Type)
Audio	1*Line-In+1*Line-Out
GPIO	14 ports GPIO (7*GPI+7*GPO, Phoenix terminal type)
Daughter Card	2*Daughter Card Slots, Support expansion I/O interfaces and funcational slots

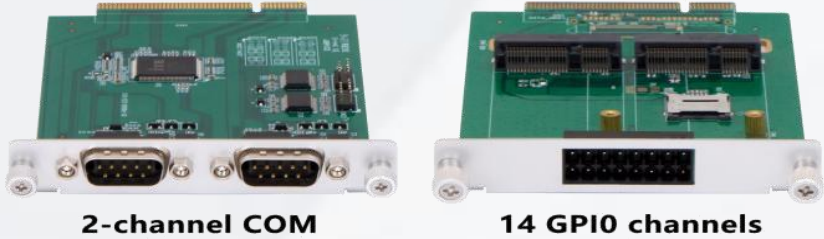


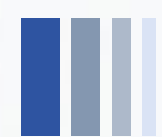
2.Device Specification:

Watch Dog	Support
Power Input	DC 19-36V With Overvoltage Protection
	Support Auto-Start
	4 Pin Phoenix Terminal Type DC Plug
Working Temperature	-30℃~70℃, Support 24/7 Working
Structure	Fully Enclosed Aluminum Alloy Material
Heat Dissipation	Fan Design (Fanless design chassis, optional)
Installation	Desktop / Embedded / Wall Mount
Size	236mm*220mm*118mm
Power Consumption	Max to 240W
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)
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)
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	Chipset	LAN	USB	COM	Display	RAM	SSD	Expansion	Power
QY-B6100	H670	2	7	4*RS-232/422/485 2*RS-232	1*HDMI 1*DP 1*VGA	2*DDR 4	1*M.2 NVME 1*MSATA 1*SATA	1*Mini PCIE 1*M.2 PCIE or PCI	DC 19-36V

5.System Information:

Chipset	CPU	
H670	Celeron G Series	Windows 10 / 11 and Linux
	Pentium Gold Series	
	12th / 13th / 14th	

6.Fittings Information:

RAM	DDR 4	4GB / 8GB / 16GB / 32GB
Storage	M.2 NVME	128GB / 256GB / 512GB / 1TB / 2TB / 4TB
	MSATA	64GB / 128GB / 256GB / 512GB / 1TB
	SATA	120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB / 4TB
GSM Module	4G	4G+GPS
	5G	5G+GPS
WIFI Module	7260AN / 7260AC / AX210	
GPU	Power Consumption < 75W, Size small than 200mm	
CAN BUS	2*CAN BUS Ports	

7.Package List:

Adapter	1*19V 10A Adapter
Power Cable	1*Power Cable
Terminal	2 Pin Phoenix Terminal for Power Switch
Terminal	8 Pin Phoenix terminal for GPIO port

8.Dimensions:

