

QY-U2000

Products Features:

1. Industrial-Grade Embedded 2U size Industrial Computer
2. Support ATX / Micro-ATX / Mini-ITX Mother Board
3. Intel 2/3/4/6/7/8/10/11/12/13/14th-i3/i5/i7/i9 desktop CPU
4. Standard ATX power, 300w to 1300w
5. More expansion slots, Mini-PCIE / M.2 / PCIE / PCI
6. Support remote power on and off
7. -30°C~70°C Temperature Can Keep 24/7 Work Stably
8. Anti-Static, Anti-Pulse, Anti-Surge, Anti-Radiation



1-1. B75 Mother Board Specification:

Mother Board Model	QY-MB-B75-ATX
Chipset	Intel B75, Support Intel Core 2/3th-i3/i5/i7 / Pentium / Celeron desktop CPU, LGA 1155
Memory	Support DDR3-1333 / 1600 MHz, 2*non-ECC U-DIMM Slots, Up to 16GB
Storage	1*MSATA Slot 5*SATA 2.0 Slots
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*HDMI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz
Expansion	1*PCIE 16x slot+1*PCIE 4x slot+1*PCIE 1x slot 4*PCI slots 1*Mini PCIE slot, support 4G and WIFI module
Ethernet	2*Intel GBE LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)
USB	4*USB 3.0 (Type-A) 2*USB 2.0 (Type-A) 1*USB 2.0 (Internal) 4*USB 2.0 (Header)
COM	2*RS-232 / 485 (DB9 type) 4*RS-232 (DB9 type)
Audio	1*Line-out+1*Line-in+MIC

1-2. H81 Mother Board Specification:

Mother Board Model	QY-MB-H81-ATX
Chipset	Intel H81, Support Intel Core 4th-i3/i5/i7 / Pentium / Celeron desktop CPU, LGA 1150
Memory	Support DDR3-1333 / 1600 MHz, 2*non-ECC U-DIMM Slots, Up to 16GB
Storage	1*MSATA Slot 2*SATA 2.0 Slots
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz
Expansion	1*PCIE 16x slot+1*PCIE 4x slot+1*PCIE 1x slot 4*PCI slots 1*Mini PCIE slot, support 4G and WIFI module
Ethernet	2*Intel i210V LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)
USB	2*USB 3.0 (Type-A) 2*USB 2.0 (Type-A) 6*USB 2.0 (Header)
COM	1*RS-232 / 485 (DB9 type) 5*RS-232 (DB9 type)
Audio	1*Line-out+1*MIC

1-3. H110 Mother Board Specification:

Mother Board Model	QY-MB-H110-ATX
Chipset	Intel H110, Support Intel Core 6/7/8/9th-i3/i5/i7 / Pentium / Celeron desktop CPU, LGA 1151
Memory	Support DDR4-2400 MHz, 2*U-DIMM Slots, Up to 32GB
Storage	1*MSATA Slot 3*SATA 3.0 Slots
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz 1*HDMI: Resolution max up tp 1920*1080@60Hz
Expansion	1*PCIE 16x slot+1*PCIE 4x slot+1*PCIE 1x slot 4*PCI slots 1*Mini PCIE slot, support 4G and WIFI module
Ethernet	2*Intel (i210V+i219V) LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)
USB	4*USB 3.0 (Type-A) 2*USB 2.0 (Type-A) 3*USB 2.0 (Header)
COM	2*RS-232 / 485 (DB9 type) 4*RS-232 (DB9 type)
Audio	1*Line-out+1*Line-in+1*MIC

1-4. H310C Mother Board Specification:

Mother Board Model	QY-MB-H310C-ATX
Chipset	Intel H310C, Support Intel Core 6/7/8/9th-i3/i5/i7 / Pentium / Celeron desktop CPU, LGA 1151
Memory	Support DDR4-2400 MHz, 2*U-DIMM Slots, Up to 32GB
Storage	1*MSATA Slot 4*SATA 3.0 Slots
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz 1*HDMI: Resolution max up tp 1920*1080@60Hz
Expansion	1*PCIE 16x slot+1*PCIE 4x slot+1*PCIE 1x slot 4*PCI slots 1*Mini PCIE slot, support 4G and WIFI module
Ethernet	2*Intel (i219V+i225V) LAN Chip (10 / 100 / 1000 / 2500 Mbps, RJ-45 Type)
USB	4*USB 3.0 (Type-A) 2*USB 2.0 (Type-A) 3*USB 2.0 (Header)
COM	2*RS-232 / 485 (DB9 type) 4*RS-232 (DB9 type)
Audio	1*Line-out+1*Line-in+1*MIC

1-5. Q170 Mother Board Specification:

Mother Board Model	QY-MB-Q170-ATX
Chipset	Intel Q170, Support Intel Core 6/7th-i3/i5/i7 / Pentium / Celeron desktop CPU, LGA 1151
Memory	Support DDR4-2133/2400 MHz, 4*U-DIMM Slots, Up to 64GB
Storage	1*MSATA Slot 4*SATA 3.0 Slots
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz 1*HDMI: Resolution max up tp 4096*2160@60Hz
Expansion	1*PCIE 16x slot+3*PCIE 4x slot+1*PCIE 1x slot 2*PCI slots 1*Mini PCIE slot, support 4G and WIFI module
Ethernet	2*Intel 1Gbps LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)
USB	6*USB 3.0 (Type-A) 2*USB 2.0 (Type-A) 2*USB 2.0 (Type-A) 5*USB 2.0 (Header)
COM	1*RS-232 / 422 / 485 (DB9 type) 1*RS-232 / 485 (DB9 type) 4*RS-232 (DB9 type)
Audio	1*Line-out+1*Line-in+1*MIC

1-6. Q270 Mother Board Specification:

Mother Board Model	QY-MB-Q270-ATX
Chipset	Intel Q270, Support Intel Core 6/7/8/9th-i3/i5/i7/i9 / Pentium / Celeron desktop CPU, LGA 1151
Memory	Support DDR4-2133/2400 MHz, 4*U-DIMM Slots, Up to 64GB
Storage	1*M.2 PCIE(NVME / SATA) SSD Slot 4*SATA 3.0 Slots (Support RAID 0, 1, 5, 10)
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz 1*HDMI: Resolution max up tp 4096*2160@24Hz
Expansion	2*PCIE 16x slot+3*PCIE 4x slot 2*PCI slots 1*Mini PCIE slot, support 4G and WIFI module
Ethernet	2*Intel (i219V+225V) LAN Chip (10 / 100 / 1000 / 2500 Mbps, RJ-45 Type)
USB	4*USB 3.0 (Type-A) 2*USB 3.0 (Header) 2*USB 2.0 (Type-A) 5*USB 2.0 (Header)
COM	1*RS-232 / 422 / 485 (DB9 type) 1*RS-232 / 485 (DB9 type) 4*RS-232 (DB9 type)
Audio	1*Line-out+1*Line-in+1*MIC

1-7. H470 Mother Board Specification:

Mother Board Model	QY-MB-H470-ATX
Chipset	Intel H470, Support Intel Core 10th-i3/i5/i7/i9 / Pentium / Celeron desktop CPU, LGA 1200
Memory	Support DDR4-2133/2400/2600/2933 MHz, 4*U-DIMM Slots, Up to 64GB
Storage	1*M.2 PCIE(NVME / SATA) SSD Slot 3*SATA 3.0 Slots
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz 1*HDMI: Resolution max up tp 4096*2160@30Hz
Expansion	1*PCIE 16x slot+2*PCIE 4x slot 4*PCI slots 1*M.2 Key-E slot, support WIFI module
Ethernet	2*Intel 1Gbps LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)
USB	6*USB 3.0 (Type-A) 5*USB 2.0 (Header)
COM	2*RS-232 / 485 (DB9 type) 4*RS-232 (DB9 type)
Audio	1*Line-out+1*Line-in+1*MIC

1-8. Q470 Mother Board Specification:

Mother Board Model	QY-MB-Q470-ATX
Chipset	Intel Q470, Support Intel Core 10/11th-i3/i5/i7/i9 / Pentium / Celeron desktop CPU, LGA 1200
Memory	Support DDR4-2400/2600/2933 MHz, 4*U-DIMM Slots, Up to 128GB
Storage	1*M.2 PCIE(NVME / SATA) SSD Slot 4*SATA 3.0 Slots
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz 1*HDMI: Resolution max up tp 4096*2160@30Hz
Expansion	2*PCIE 16x slot+3*PCIE 4x slot 2*PCI slots 1*Mini PCIE slot, support 4G and WIFI module
Ethernet	2*Intel 1Gbps LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)
USB	4*USB 3.0 (Type-A) 2*USB 3.0 (Header) 2*USB 2.0 (Type-A) 5*USB 2.0 (Header)
COM	1*RS-232 / 422 / 485 (DB9 type) 1*RS-232 / 485 (DB9 type) 4*RS-232 (DB9 type)
Audio	1*Line-out+1*Line-in+1*MIC

1-9. H610 Mother Board Specification:

Mother Board Model	QY-MB-H610-ATX
Chipset	Intel H610, Support Intel Core 12/13/14th-i3/i5/i7/i9 / Pentium / Celeron desktop CPU, LGA 1700
Memory	Support DDR4-3200 MHz, 2*U-DIMM Slots, Up to 64GB
Storage	1*M.2 SATA SSD Slot 3*SATA 3.0 Slots
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz 1*HDMI: Resolution max up tp 4096*2160@30Hz
Expansion	1*PCIE 16x slot+3*PCIE 4x slot 3*PCI slots
Ethernet	2*Intel (i219V+i225V) LAN Chip (10 / 100 / 1000 /2500 Mbps, RJ-45 Type)
USB	4*USB 3.0 (Type-A) 2*USB 2.0 (Type-A) 5*USB 2.0 (Header)
COM	2*RS-232 / 485 (DB9 type) 4*RS-232 (DB9 type)
Audio	1*Line-out+1*Line-in+1*MIC

1-10. Q670 Mother Board Specification:

Mother Board Model	QY-MB-Q670-ATX
Chipset	Intel Q670, Support Intel Core 12/13/14th-i3/i5/i7/i9 / Pentium / Celeron desktop CPU, LGA 1700
Memory	Support DDR4-3200 MHz, 4*U-DIMM Slots, Up to 128GB
Storage	1*M.2 PCIE (NVME / SATA) SSD Slot 4*SATA 3.0 Slots
Display	1*DVI: Resolution max up to 1920*1200@60Hz 1*VGA: Resolution max up to 1920*1200@60Hz 1*HDMI: Resolution max up tp 4096*2160@30Hz
Expansion	2*PCIE 16x slot+3*PCIE 4x slot+1*PCIE 1x slot 1*PCI slots 1*M.2 Key-E slot, Support WIFI Module
Ethernet	2*Intel (i219V+i225V) LAN Chip (10 / 100 / 1000 /2500 Mbps, RJ-45 Type)
USB	4*USB 3.0 (Type-A) 2*USB 3.0 (Header) 5*USB 2.0 (Header)
COM	1*RS-232 / 422 / 485 (DB9 type) 1*RS-232 / 485 (Db9 type) 4*RS-232 (DB9 type)
Audio	1*Line-out+1*Line-in+1*MIC

2. Device Specification:

Power Input	ATX Power Module (300w / 500w / 800w / 1000w / 1300w)
	Support Auto-Start
Working Temperature	-30°C~70°C, Support 24/7 Working
Structure	Fully Enclosed Aluminum Alloy Material
Heat Dissipation	Fan Design
Installation	Desktop / Embedded
Size	482mm*537mm*89mm (2U size)
System	Windows and Linux
Mother Board Type	Support ATX / Micro ATX / Mini-ITX

3. Ordering Information:

Model	Chipset	CPU	LAN	USB	COM	RAM	Display	SSD	Expansion
QY-U2000	B75	2th/3th	2	4*3.0 7*2.0	2*RS-232/485 4*RS-232	2*DDR 3 Up to 16GB	1*HDMI 1*DVI 1*VGA	1*MSATA 5*SATA	1*Mini PCIE 1*PCIE 16x 1*PCIE 4x 1*PCIE 1x 4*PCI
	H81	4th		2*3.0 8*2.0	1*RS-232/485 5*RS-232	2*DDR 3 Up to 16GB	1*VGA 1*DVI	1*MSATA 3*SATA	1*Mini PCIE 1*PCIE 16x 1*PCIE 4x 1*PCIE 1x 4*PCI
	H110	6th/7th/8th/9th		4*3.0 5*2.0	2*RS-232/485 4*RS-232	2*DDR 4 Up to 32GB	1*VGA 1*DVI 1*HDMI	1*MSATA 4*SATA	1*Mini PCIE 1*PCIE 16x 1*PCIE 4x 1*PCIE 1x 4*PCI
	H310C	6th/7th/8th/9th		4*3.0 5*2.0	2*RS-232/485 4*RS-232	2*DDR 4 Up to 32GB	1*VGA 1*DVI 1*HDMI	1*MSATA 4*SATA	1*Mini PCIE 1*PCIE 16x 1*PCIE 4x 1*PCIE 1x 4*PCI
	Q170	6th/7th		6*3.0 7*2.0	1*RS-232/422/485 1*RS-232/485 4*RS-232	4*DDR 4 Up to 64GB	1*DVI 1*HDMI 1*VGA	1*MSATA 4*SATA	1*Mini PCIE 1*PCIE 16x 3*PCIE 4x

	Q270	6th/7th/9th/9th	6*3.0 7*2.0	1*RS-232/422/485 1*RS-232/485 4*RS-232	4*DDR 4 Up to 64GB	1*DVI 1*HDMI 1*VGA	1*M.2 4*SATA	1*Mini PCIE 2*PCIE 16x 3*PCIE 4x 2*PCI
	H470	10th	8*3.0 5*2.0	2*RS-232/485 4*RS-232	2*DDR 4 Up to 64GB	1*DVI 1*HDMI 1*VGA	1*M.2 3*SATA	1*M.2 1*PCIE 16x 2*PCIE 4x 4*PCI
	Q470	10th/11th	6*3.0 7*2.0	1*RS-232/422/485 1*RS-232/485 4*RS-232	4*DDR 4 Up to 128Gb	1*DVI 1*HDMI 1*VGA	1*M.2 4*SATA	1*Mini PCIE 2*PCIE 16x 3*PCIE 4x 2*PCI
	H610	12th/13th/14th	4*3.0 7*2.0	2*RS-232/485 4*RS-232	2*DDR 4 Up to 64GB	1*DVI 1*HDMI 1*VGA	1*M.2 3*SATA	1*PCIE 16x 3*PCIE 4x 3*PCI
	Q670	12th/13th/14th	8*3.0 5*2.0	1*RS-232/422/485 1*RS-232/485 4*RS-232	4*DDR 4 Up to 128Gb	1*DVI 1*HDMI 1*VGA	1*M.2 4*SATA	1*M.2 2*PCIE 16x 4*PCIE 4x 1*PCI

4. System Information:

CPU	System
2th / 3th	Windows XP / 7 / 10 and Linux
4th / 6th / 7th	Windows 7 / 10 and Linux
8th / 10th / 11th / 12th / 13th / 14th	Windows 10 / 11 and Linux

5. Fittings Information:

RAM	DDR 3	4GB / 8GB
	DDR 4	4GB / 8GB / 16GB / 32GB
SSD	MSATA	32GB / 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	
ATX Power	300w / 500w / 800w / 1000w / 1300w	

6. Package List:

Power Cable	1*Power Cable
-------------	---------------

7. Dimensions:

