

QY-B5700 Compound Series

Products Features:

1. Industrial-Grade Embedded Fanless Mini PC
2. Intel Celeron and Core 6 / 7 / 8 / 10th-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. DC 9-36V Power Input With Overvoltage Protection
6. -30°C~70°C Temperature Can Keep 24/7 Work Stably
7. Anti-Static, Anti-Pulse, Anti-Surge, Anti-Radiation



1. Mother Board Specification:

| Model | QY-B5700-A | QY-B5700-B |
|------------------------|---|---|
| CPU | J6412 i3: 6157U / 7100U / 8130U i5: 7200U / 7267U / 8250U i7: 7500U | i3: 10110U i5: 8260U / 10210U i7: 10610U / 10710U |
| Memory ^[1] | 1*DDR III RAM Slot, Up to 16GB | |
| Storage | 1*MSATA SSD Slot 2*SATA SSD Slots | |
| 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 | 6*USB 3.0 (Type-A) 2*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 12V / 9-36V With Overvoltage Protection |
| | Support Auto-Start |
| | 3 Pin Phoenix Terminal Type DC Plug |
| Working Temperature | -30°C~70°C, 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. Ordering Information:

| Model | CPU | LAN | USB | COM | Display | RAM | SSD | Expansion | Power |
|----------|-----|-----|-----|------------------|---------|---------|-------------------|-------------|----------|
| QY-B5700 | A | 2 | 8 | 2*RS-232/422/485 | 1*HDMI | 1*DDR 4 | 1*MSATA 2*SATA | 2*Mini PCIE | DC 12V |
| | B | | | 4*RS-232 | 1*VGA | | | | DC 9-36V |

4. 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 |
| i3-6157U | 2 core, 4 total threads, 2.40 GHz, 3 MB cache | Max to 16GB for 1*RAM 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 |
| i3-8130U | 2 core, 4 total threads, 2.20 GHz to 3.40 GHz, 4 MB cache | Max to 16GB for 1*RAM 4 slot |
| i5-8250U | 4 core, 8 total threads, 1.60 GHz to 3.40 GHz, 6 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 |

5. System Information:

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

6. Fittings Information:

| | | |
|-------------|-------------------------|---|
| RAM | DDR 4 | 4GB / 8GB / 16GB / 32GB |
| Storage | MSATA | 64GB / 128GB / 256GB / 512GB / 1TB |
| | SATA | 120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB / 4TB |
| GSM Module | 4G | 4G+GPS |
| WIFI Module | 7260AN / 7260AC / AX210 | |

7. 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 |

8. Dimensions:

