



**Features:**

1. Cordless motherboard design, high-end industrial panel PC
2. Fully enclosed design, the whole PC is dustproof.
3. Aluminum alloy shell, seamless design, front panel IP65 waterproof. Integrated heat sink on the back side, excellent heat dissipation.
4. Industrial LCD panel, wide viewing angle, high nits, true color.
5. Adopt multi-points PCAP touch panel, high sensitive and fast-response. Covered with 2mm tempered glass for vandalproof.
6. 9V-36V wide voltage, 3 Pin Phoenix terminal, Shock - proof.
7. High performance motherboard, 7x24 continuous operation.

**Data sheet of SC500M Panel PC**

| PC                  |                                                                                                                                                                                                                                                                                                                                            |                              |                              |                              |                              |                              |                              |                              |                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| CPU                 | Intel® Celeron J1900, 4 Cores, 4 Threads, Base 2.0 GHz, Turbo 2.4 GHz, 2MB Cache, Fanless                                                                                                                                                                                                                                                  |                              |                              |                              |                              |                              |                              |                              |                              |
| CPU optional        | Intel® Core, i5-4278U, 2 Cores, 4 Threads, Base 2.6 GHz, Turbo 3.1 GHz, 3MB Cache, Fanless                                                                                                                                                                                                                                                 |                              |                              |                              |                              |                              |                              |                              |                              |
| CPU optional        | Intel® Core, i7-4500U, 2 Cores, 4 Threads, Base 1.8 GHz, Turbo 3.0 GHz, 4MB Cache, Fanless                                                                                                                                                                                                                                                 |                              |                              |                              |                              |                              |                              |                              |                              |
| CPU optional        | Intel® Core, i5-6260U, 2 Cores, 4 Threads, Base 1.8 GHz, Turbo 2.9 GHz, 4MB Cache, Fanless                                                                                                                                                                                                                                                 |                              |                              |                              |                              |                              |                              |                              |                              |
| CPU optional        | Intel® Core, i7-6360U, 2 Cores, 4 Threads, Base 2.6 GHz, Turbo 3.1 GHz, 4MB Cache, Fanless                                                                                                                                                                                                                                                 |                              |                              |                              |                              |                              |                              |                              |                              |
| CPU optional        | Intel® Core, i5-7267U/7360U, 2 Cores, 4 Threads, Base 3.1 GHz, Turbo 3.5 GHz, 4MB Cache, Fanless                                                                                                                                                                                                                                           |                              |                              |                              |                              |                              |                              |                              |                              |
| CPU optional        | Intel® Core, i7-7560U, 2 Cores, 4 Threads, Base 2.4 GHz, Turbo 3.8 GHz, 4MB Cache, Fanless                                                                                                                                                                                                                                                 |                              |                              |                              |                              |                              |                              |                              |                              |
| CPU optional        | Intel® Core, i5-8250U, 4 Cores, 8 Threads, Base 1.6 GHz, Turbo 3.4 GHz, 6MB Cache, Fanless                                                                                                                                                                                                                                                 |                              |                              |                              |                              |                              |                              |                              |                              |
| CPU optional        | Intel® Core, i7-8550U, 4 Cores, 8 Threads, Base 1.8 GHz, Turbo 4.0 GHz, 8MB Cache, Fanless                                                                                                                                                                                                                                                 |                              |                              |                              |                              |                              |                              |                              |                              |
| Memory              | J1900: Onboard DDR3 4G RAM<br>Core 4gen of i5/i7: DDR3 SODIMM x1(Max 8G RAM)<br>Core 6/7/8gen of i5/i7: DDR4 SODIMM x1(Max 16G RAM)                                                                                                                                                                                                        |                              |                              |                              |                              |                              |                              |                              |                              |
| Storage             | 1x MSATA<br>1 x SATA(2.5' SATA)<br>1xM.2 (Core only)                                                                                                                                                                                                                                                                                       |                              |                              |                              |                              |                              |                              |                              |                              |
| Hard Drive Capacity | 64GB,128GB, 256GB, 512GB, 1TB, 2TB, 4TB, SSD, 500GB, 1TB, 2TB, 4TB HDD Optional                                                                                                                                                                                                                                                            |                              |                              |                              |                              |                              |                              |                              |                              |
| Network             | 2x GbE RJ45 Intel i211-AT (4x GbE RJ45 Intel i211-AT Optional)                                                                                                                                                                                                                                                                             |                              |                              |                              |                              |                              |                              |                              |                              |
| Wireless Network    | WiFi/Bluetooth, 4G, GPS Optional                                                                                                                                                                                                                                                                                                           |                              |                              |                              |                              |                              |                              |                              |                              |
| I/O Interface       | J1900: 3xUSB 2.0, 1xUSB 3.0<br>Core 4/6/7/8 gen: 4x USB3.0<br>2x DB-9 COM1& COM2, RS232/422/485, 2x3 wire COM3 & COM4 RS232/485 Phoenix terminal, 2x3 wire COM5 & COM6 RS232, 1xPhoenix terminal remote switch interface, 1x AT/ATX switch, 1x HDMI/Audio Line-out/ Power Button, 1x 14 bit GPIO optional, 2x 8Q 1W Amplifier out optional |                              |                              |                              |                              |                              |                              |                              |                              |
| Expansion slot      | 1x MINI-PCIE, on board SIM card slot, support 3G/4G module<br>1x MINI-PCIE, support WiFi/ Bluetooth                                                                                                                                                                                                                                        |                              |                              |                              |                              |                              |                              |                              |                              |
| Watchdog timer      | 1 to 65535 seconds programmable setting                                                                                                                                                                                                                                                                                                    |                              |                              |                              |                              |                              |                              |                              |                              |
| Operation System    | Support Windows 7/8/10, Linux, Ubuntu, Debian, etc.                                                                                                                                                                                                                                                                                        |                              |                              |                              |                              |                              |                              |                              |                              |
| LCD panel           |                                                                                                                                                                                                                                                                                                                                            |                              |                              |                              |                              |                              |                              |                              |                              |
| Panel size          | 8 inch                                                                                                                                                                                                                                                                                                                                     | 10.1 inch                    | 10.4 inch                    | 12.1 inch                    | 15 inch                      | 15.6 inch                    | 17 inch                      | 19 inch                      | 21.5 inch                    |
| Model               | SC08                                                                                                                                                                                                                                                                                                                                       | SC101                        | SC104                        | SC121                        | SC15                         | SC156                        | SC17                         | SC19                         | SC215                        |
| Resolution          | 1024*768                                                                                                                                                                                                                                                                                                                                   | 1280*800                     | 1024*768                     | 1024*768                     | 1024*768                     | 1920*1080                    | 1280*1024                    | 1280*1024                    | 1920*1080                    |
| Aspect ratio        | 4:3                                                                                                                                                                                                                                                                                                                                        | 16:10                        | 4:3                          | 4:3                          | 4:3                          | 16:9                         | 5:4                          | 5:4                          | 16:9                         |
| Support Color       | 16.7M                                                                                                                                                                                                                                                                                                                                      | 16.2M                        | 16.7M                        | 16.7M                        | 16.7M                        | 16.7M                        | 16.7M                        | 16.7M                        | 16.7M                        |
| Brightness (cd/m²)  | 300(cd/m²)                                                                                                                                                                                                                                                                                                                                 | 400(cd/m²)                   | 300(cd/m²)                   | 500(cd/m²)                   | 350(cd/m²)                   | 300(cd/m²)                   | 300(cd/m²)                   | 300(cd/m²)                   | 300(cd/m²)                   |
| Response time       | 5ms                                                                                                                                                                                                                                                                                                                                        | 5ms                          | 5ms                          | 5ms                          | 5ms                          | 5ms                          | 5ms                          | 5ms                          | 5ms                          |
| Contrast ratio      | 900:1                                                                                                                                                                                                                                                                                                                                      | 900:1                        | 1000:1                       | 1000:1                       | 1000:1                       | 800:1                        | 1000:1                       | 1000:1                       | 1000:1                       |
| View angle          | 80°/80°/80°/80°<br>(R/L/U/D)                                                                                                                                                                                                                                                                                                               | 85°/85°/85°/85°<br>(R/L/U/D) | 85°/85°/85°/85°<br>(R/L/U/D) | 89°/89°/89°/89°<br>(R/L/U/D) | 89°/89°/89°/89°<br>(R/L/U/D) | 85°/85°/85°/85°<br>(R/L/U/D) | 89°/89°/89°/89°<br>(R/L/U/D) | 89°/89°/89°/89°<br>(R/L/U/D) | 89°/89°/89°/89°<br>(R/L/U/D) |
| Touch panel         |                                                                                                                                                                                                                                                                                                                                            |                              |                              |                              |                              |                              |                              |                              |                              |
| Touchscreen Type    | Project Capacitive Touch (10 points)                                                                                                                                                                                                                                                                                                       |                              |                              |                              |                              | Resistive touch              |                              |                              |                              |
| Touch response time | 2ms                                                                                                                                                                                                                                                                                                                                        |                              |                              |                              |                              | 2ms                          |                              |                              |                              |
| Luminousness        | 90%                                                                                                                                                                                                                                                                                                                                        |                              |                              |                              |                              | 90%                          |                              |                              |                              |
| Surface Hardness    | 7H                                                                                                                                                                                                                                                                                                                                         |                              |                              |                              |                              | 3H                           |                              |                              |                              |

|                       |                                                                         |                  |                    |                  |                      |                      |                      |                      |                     |
|-----------------------|-------------------------------------------------------------------------|------------------|--------------------|------------------|----------------------|----------------------|----------------------|----------------------|---------------------|
| Working life          | >50 million times                                                       |                  |                    |                  | >50 million times    |                      |                      |                      |                     |
| Power Supply          |                                                                         |                  |                    |                  |                      |                      |                      |                      |                     |
| External Power Supply | AC 100-240V                                                             |                  |                    |                  |                      |                      |                      |                      |                     |
| Working voltage       | 9-36V DC Wide Voltage with Green Phoenix connector                      |                  |                    |                  |                      |                      |                      |                      |                     |
| Power consumption     | 20-80W                                                                  |                  |                    |                  |                      |                      |                      |                      |                     |
| Enclosure             |                                                                         |                  |                    |                  |                      |                      |                      |                      |                     |
| Material              | Aluminum Alloy                                                          |                  |                    |                  |                      |                      |                      |                      |                     |
| Color                 | Grey                                                                    |                  |                    |                  |                      |                      |                      |                      |                     |
| VESA mounting         | 75x75/100x100mm M4                                                      |                  |                    |                  |                      |                      |                      |                      |                     |
| IP grade              | Front panel IP65 waterproof                                             |                  |                    |                  |                      |                      |                      |                      |                     |
| Operating Environment |                                                                         |                  |                    |                  |                      |                      |                      |                      |                     |
| Temperature Range     | Operating: -20 to 60°C, Storage: -30 to 70°C                            |                  |                    |                  |                      |                      |                      |                      |                     |
| Relative humidity     | 10%~90% @ 30°C, Non-condensing                                          |                  |                    |                  |                      |                      |                      |                      |                     |
| Vibration             | 5-500 Hz, 0.026 G <sup>2</sup> /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis |                  |                    |                  |                      |                      |                      |                      |                     |
| Packing Details       |                                                                         |                  |                    |                  |                      |                      |                      |                      |                     |
| Size                  | 8 inch                                                                  | 10.1 inch        | 10.4 inch          | 12.1 inch        | 15 inch              | 15.6 inch            | 17 inch              | 19 inch              | 21.5 inch           |
| Net weight            | 2.1kg                                                                   | 2.8kg            | 3.5kg              | 4kg              | 4.5kg                | 4.2kg                | 6kg                  | 6.5kg                | 7kg                 |
| Gross weight          | 3kg                                                                     | 3.3kg            | 4.5kg              | 4.8kg            | 5.5kg                | 5.1kg                | 7kg                  | 7.5kg                | 8.5kg               |
| Product Dimension     | 218.59x177.52x51.68mm                                                   | 289.53x192.4x8mm | 286.28x209x50.37mm | 318.8x245x65.5mm | 376.13x285.34x58.9mm | 402.76x252.19x65.3mm | 400.66x329.76x68.1mm | 437.27x361.27x68.8mm | 533.6x327.12x90.9mm |
| Packing size          | 35.5x16.5x31.5cm                                                        | 35.5x16.5x31.5cm | 35.5x16.5x31.5cm   | 46x16.5x40.5cm   | 46x16.5x40.5cm       | 46x16.5x40.5cm       | 51x16.5x49cm         | 51x16.5x49cm         | 64x17x45cm          |
| Accessories           | Power adapter, Power cord, Embedded screws                              |                  |                    |                  |                      |                      |                      |                      |                     |
| Accessories optional  | WIFI module, 3G/4G module, VESA bracket                                 |                  |                    |                  |                      |                      |                      |                      |                     |
| Other                 |                                                                         |                  |                    |                  |                      |                      |                      |                      |                     |
| Mounting (options)    | Embedded mounting screws                                                |                  |                    |                  |                      |                      |                      |                      |                     |
|                       | Wall mounting brackets (optional)                                       |                  |                    |                  |                      |                      |                      |                      |                     |
|                       | Desk stand holder (optional)                                            |                  |                    |                  |                      |                      |                      |                      |                     |
| Warranty              | 2 years warranty                                                        |                  |                    |                  |                      |                      |                      |                      |                     |
| Certificate           | CE, FCC, RoHS, ISO 9001                                                 |                  |                    |                  |                      |                      |                      |                      |                     |
| Product Dimension     |                                                                         |                  |                    |                  |                      |                      |                      |                      |                     |







