


**Features:**

1. Front aluminum alloy bezel with sandblasting+hard anodizing, UV-protection and Anti-discoloration treatment , front IP67 waterproof and dustproof.
2. Industrial LCD panel, [1000nits sunlight readable](#), [PWM adjust brightness](#).
3. 10-points PCAP touch panel, cover with 2mm tempered glass(Chemically Strengthened) with 7H surface hardness. Anti-glare surface treatment.
4. EETI waterproof solution, the touch function can work well with drop water on the screen.
- 5.The Panel PC is built with industrial-grade components, 7x24 continuous operation, wide temperature operation - 20 °C ~ 70°C (-4°F ~158°F).

**Model: SC07A**
**PC**

|                 |                                                            |
|-----------------|------------------------------------------------------------|
| CPU             | RK3568, quad-core 64-bit Cortex-A55, up to 2.0GHz          |
| Memory          | EMMC 2G (4G/8G Optional)                                   |
| Storage         | 16GB EMMC (32G/64G/128G Optional)                          |
| Graphics        | Mali-G52 2EE                                               |
| Audio           | Support left and right channel output                      |
| Display         | Supports EDP/HDMI2.0/LVDS/ Vby1                            |
| Multimedia      | Supports 4K 60fps H.265/H.264/VP9 1080P 100fps H.265/H.264 |
| Network         | 1xRJ45, 1000Madaptive ethernet                             |
| Wireless        | WIFI + Bluetooth 4.0, 4G optional                          |
| RTC             | Support                                                    |
| Preinstalled OS | Android 11                                                 |

**I/O Interfaces**

|               |                                                                    |
|---------------|--------------------------------------------------------------------|
| USB           | 2x USB (1x HOST, 1x OTG)                                           |
| COM           | 2x RS232                                                           |
| LAN           | 1x RJ45                                                            |
| Video Outputs | 1x HDMI                                                            |
| Audio         | 1x 3.5mm Line-out                                                  |
| Power input   | 1x 12V DC jack, 1x 3-pins terminal block connector(9-36V) Optional |
| Other         | 1x TF Card slot, 1x SIM Card slot                                  |

**LCD panel**

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Screen diagonal                 | 7"                                     |
| Display active area             | 157.21(W)x89.49(H) mm / 6.189x3.523 in |
| Resolution                      | 1024*600                               |
| Aspect ratio                    | 16:9                                   |
| Brightness (cd/m <sup>2</sup> ) | 1000 nits, sunlight readable           |
| Brightness control              | PWM software for adjusting             |
| Contrast ratio                  | 800:1                                  |
| View angle                      | 80°/80°/65°/70° (R/L/U/D)              |
| Support color                   | 16.7M                                  |
| Backlight                       | WLED, 50K hours                        |

| Touch panel           |                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------|
| Touchscreen Type      | 10 point capacitive touch                                                                                                  |
| Surface Hardness      | 7H                                                                                                                         |
| Surface treatment     | Anti glare (chemical etching)                                                                                              |
| Luminousness          | ≥85%                                                                                                                       |
| Touch controller IC   | EETI 80                                                                                                                    |
| Touch response time   | <2ms                                                                                                                       |
| Touch bonding         | Air Bonding                                                                                                                |
| Power Supply          |                                                                                                                            |
| Working voltage       | 12V DC ( 9~36V DC Optional)                                                                                                |
| Power consumption     | 10W                                                                                                                        |
| Power adapter         | AC 100 ~ 240V input and DC +12V@3.33A MAX output, 40W                                                                      |
| Enclosure             |                                                                                                                            |
| Material              | Aluminium alloy bezel+ Zinc Plating cold rolled steel rear housing                                                         |
| Finish                | Front bezel: Sandblasting+Hard Anodizing,<br>UV-protection and Anti-discoloration treatment<br>Rear housing: powder coated |
| Color                 | Black, Silver, White others Optional                                                                                       |
| Mounting              | VESA mount 75*75mm, Panel mount                                                                                            |
| IP rating             | Front panel IP65                                                                                                           |
| Cooling system        | Passive - Fanless                                                                                                          |
| Design                | 3mm bezel design(Open frame design optional)                                                                               |
| Operating Environment |                                                                                                                            |
| Temperature Range     | Operating: -20 °C ~ 70°C (-4°F ~158°F)<br>Storage: -30 °C~80°C (-22°F ~176°F)                                              |
| Relative humidity     | Up to 90% at all relevant temperatures, non-condensing                                                                     |
| Vibration             | GB/T 2423.10-2019                                                                                                          |
| Shock                 | GB2423.5                                                                                                                   |
| EMC                   | Class B                                                                                                                    |
| Packing Details       |                                                                                                                            |
| Product weight        | Net weight 1kg                                                                                                             |
| Product dimension     | 194.1x129.6x47.5mm                                                                                                         |
| Packing info          | 1pcs/ctn 36×32×11cm 3kg<br>5pcs/ctn 53×36×33cm 16kg                                                                        |
| Accessories           | Power adapter, power cord, Phoenix terminal, embedded screws                                                               |
| Other                 |                                                                                                                            |
| Warranty              | 1 year warranty                                                                                                            |
| Certificates          | CE, FCC, RoHS                                                                                                              |
| Product Dimension     |                                                                                                                            |

