



SAINTWAY

In-Vehicle

# V7S Mobile Data Terminal



[www.saintwaytech.com](http://www.saintwaytech.com)



Oxford Circus 159



# V7S Mobile Data Terminal

## 7-Inch IP65 Grade In-Vehicle Tablet With Sun Shade

Equipping the in-vehicle workforce with digitalization to keep in coordination with their team, could add up to an immense boost in productivity. Saintway recognizes the importance of connectivity to the workers of the vehicle industry. V7S Mobile Data Terminal of Saintway is the technological revolution in the vehicle industry. V7S is an Android-based 7-inch mobile data terminal that is powered by RK3568 Quad-core Cortex-A55 processor. The newly designed enclosure provides a good ingress protection rating of IP65. With a sunshade hood, it can work in the cab during the daytime. V7S integrates a variety of communication modules such as Wi-Fi, Bluetooth, 4G/3G cellular, and GPS. For more peripheral devices, it has a pigtail cable to meet various I/O ports, like CAN bus, RS232, RJ45, USB OTG, AV in etc.

### Ultra-Durable LCD Protection

V7S has the 7-inch LCD screen with a capacitive multi-touch panel. That means no stress over the scratch, drop, or impact, with super-strong insurance construction. While the remainder of your gadget is effectively and completely secured by a strong metal, elastic, and plastic fenced-in area.

### Provide Extreme Efficiency

V7S owns the Android 11 operating system that claims as the speaker of your languages. Through the newly added features of Android 11, V7S supports not only efficient performance, user-friendly UI, and APIs but also app shortcuts, split-screen multi-tasking, revamped notifications and so many other functions.



### Front-End Specification (General)

2GB RAM (4GB optional), 16GB eMMC ROM (32GB optional), RK3568 quad-core processor, 2.0GHz, integrated Mali-G52-2EE graphic card, 1800mAh battery, SIM card slot, RJ45 Ethernet port, internal microphone, built-in CMOS front camera, Wi-Fi, Bluetooth, cellular 3G/4G, CAN bus, USB, RS232, RS422, AV in. These are key technical and front-end specifications of the V7S Mobile Data Terminal.

### Limitless Wireless Connectivity

Take the whole office with you, regardless of where you go in the field, with a complete remote network, including Wi-Fi or potentially bursting quick 4G LTE Connectivity, versatile for your selection of transporters at least.

### CE/E-mark/RCM compliant

V7S meets the standards of various well-known regulatory bodies thus making the product internationally recognized.

### Multiple Connections for External Equipment

V7S also provides multiple connections for external equipment. It can be extended with USB, OTG, RS232 and Ethernet, CAN bus, AV in etc. Through the extension of MDT with other peripherals, more industrial applications scenarios can be covered.



Reliable consult service, necessary technical support together with 12-month standard warranty are guaranteed with Saintway's experienced technical team

For more information, visit <https://www.saintwaytech.com/>

# Specification

| Core      |   |
|-----------|---|
| Processor | 64bit RK3568 Quad-core Cortex-A55, up to 2.0GHz |
| Graphic   | Mali-G52-2EE, 800MHz                            |
| RAM       | 2GB(4GB optional) LPDDR4                        |
| ROM       | 16GB(32GB optional) eMMC                        |
| OS        | Android 11                                      |

| Display        |  |
|----------------|--|
| LCD panel      | 7-inch TFT-LCD, LED backlight          |
| Resolutions    | 1024 × 600                             |
| Brightness     | 500 cd/m <sup>2</sup>                  |
| Contrast Ratio | 800:1                                  |
| View Angle (°) | 75/75(L/R), 70/75(U/D)                 |
| Touch panel    | G+G multi-touch capacitive touch panel |

| Wireless    |   |
|-------------|---|
| WiFi        | IEEE 802.11 b/g/n (optional)            |
| Bluetooth   | Ver 4.0 (optional)                      |
| Cellular    | 4G/3G (optional)                        |
| Positioning | Integrated GPS+GLONASS+BEIDOU(optional) |

| Multimedia |  |
|------------|--|
| Video      | Video Decode: 4K@60fps<br>H.264&H.265&VP9<br>Profile0/2 video<br>decode, 1080P multi<br>video decode |
|            | Video Encode: 1080P video<br>encoding for H.264<br>and H.265   |
| Audio      | MP3, WMA, OGG, APE, FLAC, AAC etc.   |

| User Interface                        |  |
|---------------------------------------|--|
| Speaker                               | Built-in speaker(2W, 8Ω) x 2             |
| Microphone                            | Internal microphone                      |
| Camera                                | 2MP CMOS (front)                         |
| Onboard I/O ports                     | 1 x TF card slot(up to 128GB)            |
|                                       | 1 x SIM card slot                        |
|                                       | 1 x USB 3.0 Host                         |
| Extended I/O ports (on pigtail cable) | 1 x DC in                                |
|                                       | 1 x RJ45(10/100/1000 Mbps) (support POE) |
|                                       | 1 x RS422/485                            |
|                                       | 1 x RS232                                |
|                                       | 1 x AV IN (support NTSC) (optional)      |
|                                       | 1 x reverse gear trigger(optional)       |
|                                       | 1 x ACC                                  |
|                                       | 1 x OTG 2.0                              |
|                                       | 2 x CAN bus(optional)                    |
|                                       | Function Key                             |
| Power Light                           | LED light                                |

| Power Supply |  |
|--------------|--|
| DC in        | 12V DC(9~36V)                              |
| Battery      | 3.7V 1800mAh, Lithium-Polymer battery pack |

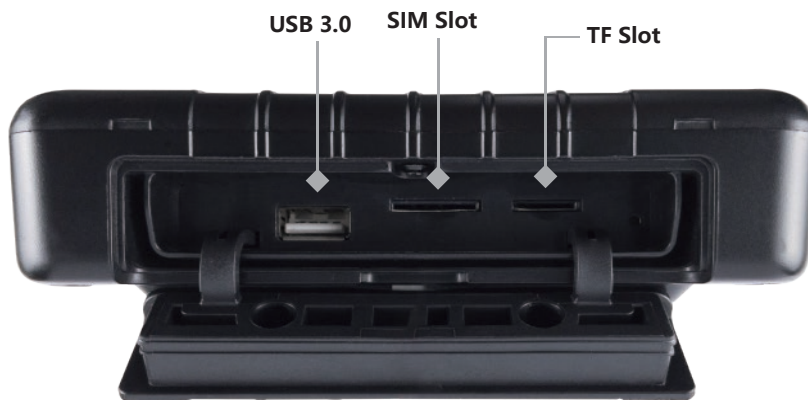
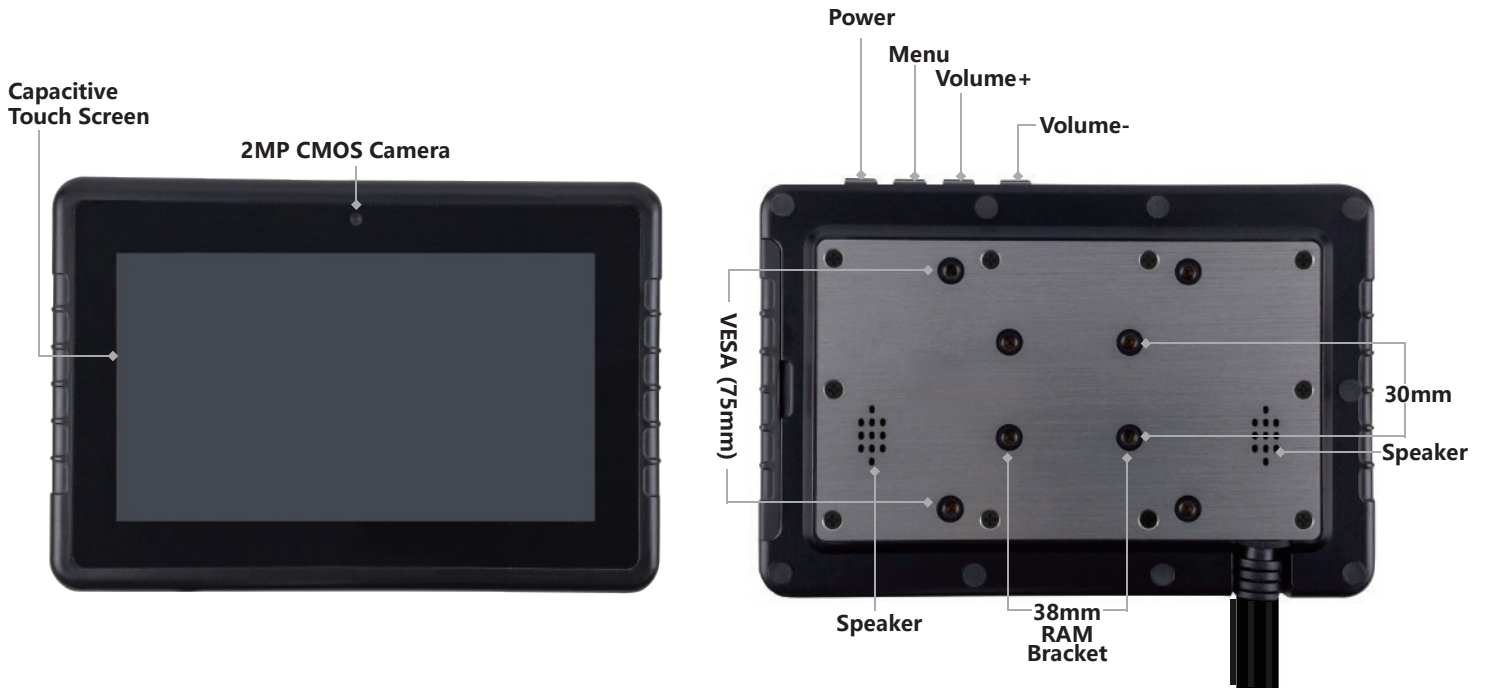
| Power Consumption |      |
|-------------------|------|
| Normal mode       | ≤6W  |
| Charging mode     | ≤10W |

| Environment    |   |
|----------------|---|
| Operating Temp | -20°C~70°C(w/o battery)<br>-20°C~50°C(w/ battery) |
| Storage Temp   | -20°C~80°C  |
| IP Rating      | IP65  |

| Mechanical |                                       |
|------------|---------------------------------------|
| Dimensions | 200(L)x136(W)x36(H) mm                |
| Weight     | 0.79kg                                |
| Mount      | 75x75mm VESA or 38x30mm RAM compliant |

| Accessories |  |
|-------------|--|
| Standard    | AC/DC adaptor or car power adaptor(optional) |
|             | Extended cable                               |
| Optional    | Sunshade                                     |

## Interface



## Accessories



DC ADAPTOR



Cable option 1



- ① RS232
- ② RJ45
- ③ DC IN
- ④ RS422/485
- ⑤ OTG

Cable option 2



- ① AV IN
- ② CAN BUS
- ③ CAN BUS
- ④ DC IN
- ⑤ ACC
- ⑥ Reverse Gear Trigger



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