

In-Vehicle

# V7S Mobile Data Terminal





Oxford Circus 159



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## 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. Waysion recognizes the importance of connectivity to the workers of the vehicle industry. V7S Mobile Data Terminal of Waysion 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 Waysion's experienced technical team**

**For more information, visit <https://www.waysion.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 H.264&H.265&VP9 Profile0/2 video decode, 1080P multi video decode
	Video Encode: 1080P video encoding for H.264 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

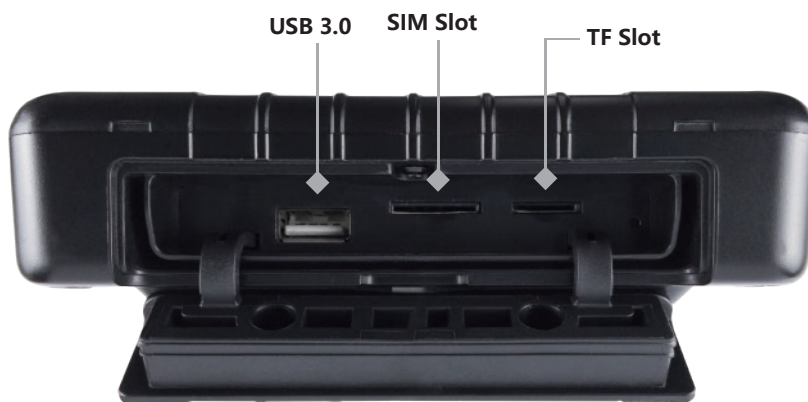
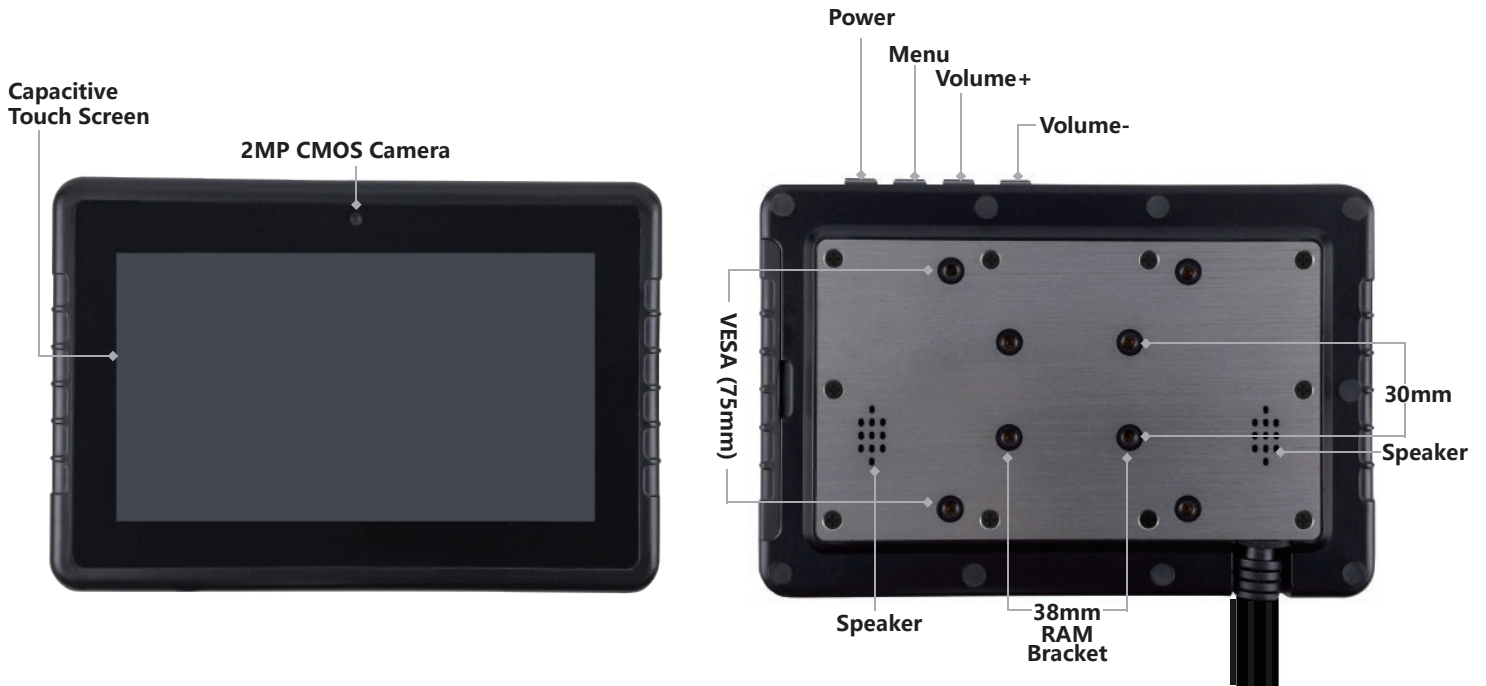
Power Consumption	
Normal mode	≤6W
Charging mode	≤10W

Environment	
Operating Temp	-20°C~70°C(w/o battery) -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

# WAYSION<sup>®</sup>

Drive Smart Technology

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