In-Vehicle

S8
Mobile Data Terminal

SAINTWAY

S8 Mobile Data Terminal

In-Vehicle Use 8-Inch Android Tablet with Docking Extension

S8 is an IP65 grade 8-inch rugged Android tablet that is designed to withstand rough handling, like outdoor or in-vehicle harshest environment use. As for its CPU and OS, S8 is powered by Rockchip RK3288W ARM Cortex- A17 quad-core with Android 7.1 Nougat system or Linux (Ubuntu18.04) It also integrates optional modules like Gigabit Ethernet for data transmission and NFC for identification. Meanwhile, for in-vehicle use, it has functional interfaces such as RS232, RS422, USB host, etc. which are suitable for many applications such as fleet management, public transit, intelligent mining, precision farming, logistics and industrial control, etc.

Cutting-Edge Connectivity

S8 offers cutting-edge connectivity. It is integrated with all the essential networking modules: 4G LTE/ 3G Cellular, Wi-Fi/Bluetooth and Gigabit Ethernet for data communication and NFC for identification. The Wi-Fi module supports the latest Wi-Fi standards – 802.11a/b/g/n/ac. Similarly, Bluetooth enables the device to be paired with another so as to make a secured Personal Area Network. The device can be extended with a wireless keyboard, mouse, hand-free, etc. Through Bluetooth, It can effectively connect up to the range of 32 feet. As far as the cellular module is concerned, it is equipped with 4G LTE/3G technology. Moreover, it offers radio navigation systems: GPS, BEIDOU and GLOSNASS through which a user can navigate across the globe.

Surprisingly Light-Weight Tablet

S8 being a rugged and lightweight enterprise tablet running on Android is specifically designed with the capabilities to tolerate outdoor or in-vehicle harsh scenarios. Its IP65 rating legitimizes the level of protection. Its compact design and light weight make it aesthetically attractive and easy for portable use respectively.

Market's leading OS with Comprehensive Support

Android Nougat 7.1 is the built-in operating system of S8. Android offers an Open Ecosystem, Customizable UI, custom ROMs, optimized graphics and multi-language support. However, it optionally supports Ubuntu- a variant of Linux.

Onboard I/O Support with Docking

S8 also provides multiple connections for external equipment. It can be extended with USB, OTG, RS232, RS422 (RS485 optional) and Docking extension (optional). Through the extension of MDT with other peripherals, more industrial applications scenarios can be covered. S8 supports TF card (up to 128GB), having Combo Audio Jack and also POGO PIN.

Prolonged Battery Life

S8 is equipped with a high capacity (3.7V 3600mAh) battery based on Lithium-Polymer which can provide up to 6 hours prolong battery backup. Moreover, the fast ultra-low-power processor combines with plenty of memory, allowing workers to run multiple apps simultaneously; and the processor minimizes power consumption thus extending battery life.

Regulatory Bodies- Making S8 Internationally Recognized

S8 meets the standards of various well-known regulatory and compliance bodies such as CE, FCC, etc. thus making it internationally recognized.

Ideal MDT specification

S8 possesses the best possible technical configuration. It supports 2GB LPDDR3 RAM (4GB optional), 8GB eMMC ROM (32GB optional), Rockchip RK3288W ARM Cortex-A17 Quad-core processor, 8-inch TFT-LCD panel, G+G multi-touch panel, Integrated 2D/3D Mali-T764 GPU graphic card, 3600mAh battery, Built-in CMOS front Camera, NFC and so many other features. These are key technical and front-end specifications on of S8 Mobile Data Terminal.

Reliable consult service, necessary technical support together with 12-month standard warranty are guaranteed with Saintway's experienced technical team
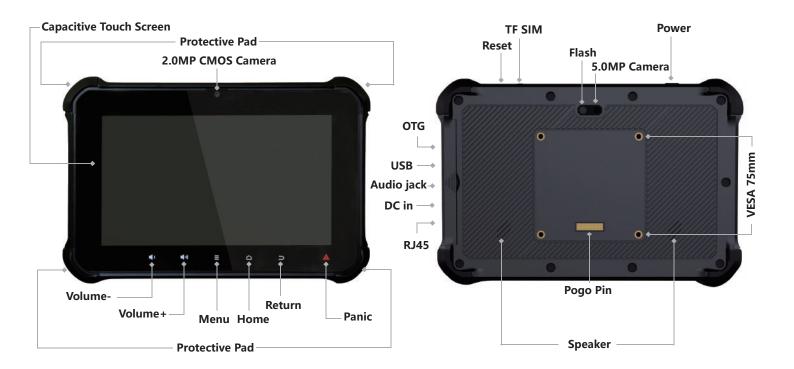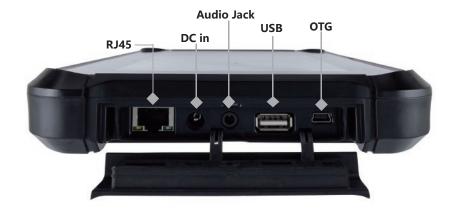For more information, visit **https://www.saintwaytech.com/**

Specification

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Core

Processor	Rockchip RK3288W Quad-core ARM Cortex-A17, 1.8GHz
Graphic	Integrated 2D/3D Mali-T764 GPU, up to 600MHz
RAM	2GB LPDDR3 (4GB optional)
ROM	8GB eMMC (32GB optional)
OS	Android 7.1/Linux(optional, Ubuntu 18.04)

Display

LCD panel	8-inch TFT-LCD, LED backlight
Resolutions	1024 × 600
Brightness	500 cd/m^2
Contrast Ratio	700:1
View Angle (°)	75/75(L/R), 70/75(U/D)
Touch panel	G+G multi-touch capacitive touch panel

Wireless

WiFi	IEEE 802.11a/b/g/n/ac 2.4GHz & 5GHz
Bluetooth	Ver 4.0
Cellular	4G optional (LTE, UMTS, GSM)
Positioning	Integrated GPS+GLONASS+BEIDOU(optional)

Optional Function

Camera	2.0MP CMOS (front)
	5.0MP CMOS (back)
NFC	Support for: – ISO/IEC 18092 – ISO/IEC 21481 – ISO/IEC 14443 Type A, Type B, and Generic B Prime cards (CE mode only for B Prime cards) – Japanese Industrial Standard (JIS) (X) 6319-4 – ISO/IEC 15693 standards. – Extended data rates up to 848 kbps for all
G-sensor	Built-in
Gyroscope	Built-in
Speaker	Built-in stereo speakers(2W/4Ω) x 2

Multimedia

Video	Encode: 1080P video encoding for H.264 and VP8, MVC Decode: 4K H.265/H.264 video decoder, 1080P multi video decode
Audio	MP3, WMA, OGG, APE, FLAC, AAC etc.

User Interface

Onboard I/O ports	1 x TF card slot(up to 128GB)
	1 x SIM card slot
	1 x USB Host (Type A)
	1 x OTG (USB Mini-B type)
	1 x RJ45(10/100/1000Mbps)
	1 x Combo Audio Jack (audio+mic)
	1 x DC IN (9~36V)
	1 x POGO PIN (16 PIN)
Extended I/O ports (on pigtail cable)	1 x RS422 (RS485 optional)
	1 x RS232 + 1x USB Host(2 x RS232 optional)
	1 x DC IN (9~36V)
Touch Key	Volume-, Volume+, Menu, Home, Return,
Function Key	Power, Menu, Home, Return

Power Supply

DC In	12V DC (9~36V)
Battery	3.7V 3600mAh, 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	238(L)x160(W)x31(H)mm
Weight	1.1kg (tablet only)
Mount	VESA, RAM

Accessories

Standard	AC/DC adaptor or car power adaptor(optional)
Optional	Docking, extended cable

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Interface

Capacitive Touch Screen
Protective Pad
2.0MP CMOS Camera

TF SIM
Reset
Flash
Power
5.0MP Camera

OTG
USB
Audio jack
DC in
RJ45

VESA 75mm

Volume-
Volume+
Menu Home
Return
Panic

Protective Pad

Pogo Pin

Speaker

Audio Jack
DC in
USB
OTG
RJ45

Accessories

Docking Station

RS232
DC in
RS422
USB

DC ADAPTOR

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