S8

WAYSION®

IP65 Rugged Handheld & In-Vehicle Use

8-inch Android Tablet with Docking Extension

Introduction

S8 is an IP65 grade 8-inch rugged Android tablet which 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. It also integrates optional modules like WiFi, 4G LTE/3G cellular, Bluetooth, 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 is suitable for many applications such as fleet management, public transit, mining, precision farming, logistics and industrial control etc.

Features

- Rugged enclosure design with IP65 rating
- RK3288W ARM® Cortex™-A17 Quad-core processor
- Quad-core Mali-T764 GPU, up to 600MHz
- 8-inch 1024x600 TFT-LCD panel
- Multi-touch capacitive touchscreen control
- Android 7.1 Nougat operating system
- Built-in WiFi, Bluetooth 4.0 wireless modules
- Built-in 4G/3G cellular modules(optional)
- Support Gigabit Ethernet network connection
- Built-in GPS/GLONASS positioning module
- Built-in NFC module
- Built-in G-sensor for display rotation and Gyroscope
- Built-in 2.0MP front camera and 8.0MP rear camera
- Built-in speaker, internal microphone
- Support TF external storage up to 64GB
- Built-in 3.7V 3600mAH Poly-lion battery
- Docking Station with DC in and RS232, RS422, USB ports (RJ45 optional)
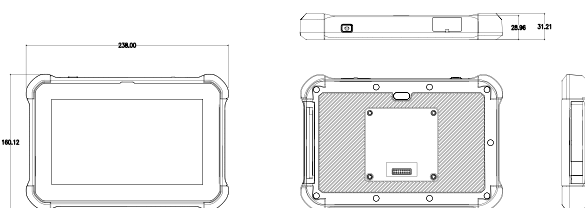- Flexible mounting: 75mm*75mm VESA and 50mm*50mm in-vehicle mount bracket

Specification

Core		
	Processor	Rockchip RK3288W ARM® Cortex ™-A17 Quad-core, 1.6GHz
	Graphic	Integrated 2D/3D Mali-T764 GPU, up to 600MHz
	RAM	2GB DDR3
	ROM	8GB eMMC Flash
	OS	Android 7.1 Nougat
Display	LCD panel	8 inch TFT-LCD, LED backlight
	Resolutions	1024x600
	Brightness	500 nits (typical)
	Contrast Ratio	700:1
	View Angle (º)	75/75(L/R), 70/75(U/D)
	Touch panel	G+G multi-touch capacitive touch panel
Wireless	WiFi	IEEE 802.11 a/b/g/n/ac(optional)
	Bluetooth	Class 1, Ver 4.0
	Cellular	4G full Netcom (3G optional)
	NFC	Built-in (optional)
	Positioning	GPS + GLONASS (optional)
Sensor	Gyroscope	Built-in (optional)
	G-sensor	Built-in (optional)
User-Interface	Audio	Built-in stereo speaker (2W x 2)
		Internal microphone
	Camera	2.0MP CMOS front camera
		8.0MP CMOS back camera

User Interface		
	Onboard I/O ports	1 x TF card slot
		1 x SIM card slot (optional)
		1 x USB host (Type A)
		1 x OTG (mini-B type)
		1 x RJ45 (10/100/1000Mbps)
		1 x Audio Jack
		1 x DC in (on board)
		1 x Pogo-pin slot (16-pin)
	Extended I/O ports (extension cable)	1 x RS422 (RS485 optional)
		1 x RS232 + 1 x USB Host (2 x RS232 optional)
		1 x DC in
	Function Key	Volume-, Volume+, Menu, Home, Return, Panic, Power, Reset
Power Supply	DC In	12V DC (9~32V)
	Battery	3.7V 3000mAh, Poly-lion (optional)
Environ-ment	Operating Temp	-20°C ~ 70°C (w/o battery)
		-20°C ~ 50°C (w/ battery)
	Storage Temp	-30°C ~ 80°C (w/o battery)
	IP Rating	IP65
Mechani-cal	Dimensions	238W x160H x 31D mm
	Weight	1.1kg
Accessories	Standard	DC adaptor, Docking, Extension Cable
	optional	/

Overview

Capacitive Touch Screen
2.0MP CMOS Camera
front
Flash 8.0MP CMOS Camera
back
NFC
volume-
Panic
volume+
Return
Menu
Home
Speaker VESA75mm Speaker

top
Reset TF/SIM Power

interfaces
OTG USB Audio Jack DC in RJ45

side

Dimensions

238.00
160.12
28.96 31.21

Standard Accessories
DC adaptor
Docking
USB
DC in Extension Cable
RS422
RS232
DB25

Scenario