

SRT-S501x-v1

4.5” IP67 Rugged Handheld Terminal



The specifications listed in this document are subject to change without prior notice.

14th April 2016



1. General Description

1.1 Overview

The SRT-S501x-v1 is a 4.5" IP67 rugged handheld terminal designed for data collection in extreme environments. The unit runs on the Android 4.4.2 O/S system, the display has a resolution of 540 x 960 pixels and there is a 5-point multi-touch sensor fitted.

1.2 General Specifications

Panel Details	Size	4.5" Diagonal
	Native Resolution	540 x 960
	Brightness	400 cd/m ² (Typ.)
	Touch Screen	5-point Capacitive w/ tempered glass
Board Details	CPU Type	ARM Cortex-A7 1.3GHz (x4)
	GPU Type	Mali 450
	Memory	1GB DDR3 RAM / 16GB ROM
	Storage	Micro-SD up to 64GB (option)
Communications	Call	GSM/WCBMA/TD-SCDMA
	2G/3G Band	WCDMA 850/1900/2100 GSM 850/900/1800/1900
	3G	WCDMA 3.75G, TD-SCDMA
	EDGE	Yes
	GPRS	Yes
	WAP	Yes
	WiFi	802.11B/G/N
	Bluetooth	BT4.0LTE / A2DP + EDR
Camera		8.0MP + AF & Electroflash
Software	O/S	Android KitKat 4.2.2
Sensor	Direction Sensor	Yes
	Gravity Sensor	Yes
	E-Compass	Yes
	Motion Sensor	Yes
	Rotation Vector Sensor	Yes
	Ambient Light Sensor	Yes
	Proximity Sensor	Yes
	Gyroscope Sensor	Yes
	Temperature Sensor	Option
	Pressure Sensor	Option (100P)
	Altitude Sensor	Option (0.13m)
Ports & Battery	Battery	5000mAh
	Sim Card	Yes (1.8 / 3.3W)
	Headphone	3.5mm jack
	USB	Mini-USB (Charge and Data)
	PSAM Card	Yes (1.8 / 3.3W)



External Functions	Navigation / Position	Support A-GPS/EPO (5-10M) Option: GPS&BEIDOU (SBAS/A-GPS/EPO (2.5M) GPS&GLONASS (SBAS/A-GPS/EPO (2.5M)
	FM Radio	Digital FM Radio
	NFC	Option: 13.56M HF / support ISO14443A/B/ISO15693
	LF RFID	Option
	UHF RFID	Option (1.5M-2M)
	Barcode Scanner	Option: ME966 / 1D or ME5110 / 2D
	ZigBee	Option: DRF1607H / MESH
	Glomass RTD	Option: GPS&GLONASS Support SBAS / CORS / 2.5m CEP / 0.5m RTD

1.3 Mechanical and Environmental Specifications

Chassis	SunYellow, ABS+PC, TPU	Product code: SRT-S501Y-v1
	ArmyGreen, ABS+PC, TPU	Product code: SRT-S501G-v1
	Grey, ABS+PC, TPU	Product code: SRT-S501B-v1
Environmental Conditions	Operating Temperature	-20 to 60°C
	Storage Temperature	-40 to 80°C
	Operating Humidity	5 to 95% ^{RH}
	Operating Altitude	4500m (15,000ft)
Certification	Vibration	1-19Hz/1.0mm; 19-200Hz/1.0g
	Drop	MIL-STD-810G / Method 516.6 / Procedure IV
	Water/Dust	IP67
	CE / RoHS / FCC	Yes
Reliability	MTTF	50,000hrs (typ.)
	MTTR	<0.5h (typ.)
Weight		380g
Outer Dimensions	Width	197mm
	Height	92mm
	Depth	26.5mm

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2. Images

