

SRT-55BT-v1

5.0" IP67 Rugged Handheld
Terminal with NFC



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

14th May 2016



1. General Description

1.1 Overview

The SRT-55BT-v1 is a 5" IP67 rugged handheld terminal with Gorilla Glass III, designed for data collection in extreme environments. The unit runs on the Android 5.1 O/S system, the display has a resolution of 720 x 1280 pixels and there is a 5-point multi-touch sensor fitted.

1.2 General Specifications

Panel Details	Size	5" Diagonal
	Native Resolution	720 x 1280
	Brightness	500 cd/m ² (Typ.)
	Touch Screen	5-point Capacitive w/ Corning Gorilla Glass III
Board Details	CPU Type	ARM Cortex-A53 1.5GHz (x4)
	GPU Type	Mali T720
	Memory	2GB DDR3 RAM / 16GB ROM
	Storage	Micro-SD up to 64GB (option)
Communications	2G/3G/4G Band	WCDMA 850/1900/2100 GSM 850/900/1800/1900 FDD B1/B3/B7/B20/B28 or B2/B4/B5/B7/B17 TDD B38/B39/B40/B41 EVDO BC0
	4G	GSM+WCDMA+FDD+TDD+EVDO
	EDGE	Yes
	GPRS	Yes
	WAP	Yes
	WiFi	802.11A/B/G/N
	Bluetooth	BT4.0 / A2DP + EDR
NFC	NXP547	
Camera		13.0MP AF & flash, 5.0MP
Software	O/S	Android KitKat 5.1
Sensor	Ambient Light Sensor	Yes
	Proximity Sensor	Yes
	Magnetic Field Sensor	Yes
Ports & Battery	Battery	4200mAh (Li)
	Wireless Charging	Qi Standard (Charging pad available)
	Sim Card	Yes
	Headphone	3.5mm jack
	USB	Mini-USB (Charge and Data)
External Functions	Navigation / Position	Support A-GPS/EPO (5-10M)



1.3 Mechanical and Environmental Specifications

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		250g (with battery)
Outer Dimensions	Width	154mm
	Height	84mm
	Depth	17mm

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2. Images

