

SRT-77BT-v1

7.0” IP65 Rugged Handheld
Terminal with Barcode Scanner



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

14th May 2016



1. General Description

1.1 Overview

The SRT-77BT-v1 is a 7" IP65 rugged handheld terminal with 1D/2D barcode scanner, 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 600 x 1024 pixels and there is a 5-point multi-touch sensor fitted.

1.2 General Specifications

Panel Details	Size	7" Diagonal
	Native Resolution	600 x 1024
	Brightness	400 cd/m ² (Typ.)
	Touch Screen	5-point Capacitive
Board Details	CPU Type	ARM Cortex-A7 1.3GHz (x4)
	GPU Type	Mali 400
	Memory	1GB DDR3 RAM / 16GB ROM
	Storage	n/a
Communications	2G/3G Band	WCDMA 850/1900/2100 GSM 850/900/1800/1900
	3G	GSM+WCDMA
	EDGE	TBC
	GPRS	TBC
	WAP	TBC
	WiFi	802.11B/G/N
	Bluetooth	BT4.0 / A2DP + EDR
	NFC	NXP547
Camera		5.0MP AF & flash, 2.0MP
Software	O/S	Android KitKat 5.1
1D Barcode Scanner	Module	Honeywell N4313
	Support	Code 39, Code 93, Code 128, Code bar, EAN-13, EAN-8, UPC-A, UPC-E, ITF 14, UCC/EAN-128, ITF 25, Matrix 25, EAN-128
	Read Distance	0 cm – 50 cm
2D QR Scanner	Module	Honeywell 6603
	2D Support	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesa, Code 49, UCC Composite
	1D Support	Code 39, Code 128, Codabar, UPC, EAN, Reduced Space Symbolology, Code 93, Codablock
	Postal Code	Postnet (US), Planet Code, BPO 4 State, Canadian Post, Japanese Post, KIX (Netherlands) Post

Battery		10,000mAh
RFID	Ultra High Frequency	Built-in 1.5m or with pack 5 m distance for EPC C1 GEN2 / ISO18000-6 – c protocol of 860-960MHZ tag read operation
	High Frequency	0 – 7 cm range for ISO15693, ISO14443A double deal 13.56 MHz tags for reading and writing Mifare One S50 / Ultralight / One S70 /SRIX4K, I-code 1/2, TI RFID Tag-it HF-I, EM4135, EM4034
	PSAM	Support the CPU card read and write, used with PSAM ISO 14443A/15693 Mifare One S50/Ultralight/One S70/Pro, AT88RF020, 66CL160S, SR176, SRIX4K, I-code 1/2, TI RFID Tag-it HF-I, EM4135, EM4034
	Low Frequency	125 K / 134.2 K animal ear tag
Fingerprint Scanner	Sensor	Inductive, image size: 256 * 360, image resolution: 500 dpi
	Recognize Rate	> 99.999%

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
	Water/Dust	IP65
	CE / RoHS / FCC	Yes
Reliability	MTTF	50,000hrs (typ.)
	MTTR	<0.5h (typ.)
Weight		650g (with battery)
Outer Dimensions	Width	242mm
	Height	129mm
	Depth	21mm

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2. Images

