



S52 Intelligent Long-Distance Handheld Terminal

The S52 is a solid and durable industrial grade mobile terminal designed for reliable data collection and real-time communication. The high density magnesium aluminum alloy framework ensures to protect the main board on the inside as well as the LCD screen.

The gasket inlay seals the terminal making it waterproof and dustproof. We are the first company to adopt Bi-colors TPU encapsulation to protect the whole device, allowing for a comfortable handling, supporting the user who works with heavy labor and in a harsh environment.



Characteristics

Long Distance Scanning :



Uses foreign third-generation short / long-range dimensional scanning engine, the longest scanning distance reaches up to 15m (50ft), perfect support 1D/2D barcode reading and writing, Capable of reading the poor quality, damaged and low resolution codes with less than 3 mil.

IP67

Industrial Grade :

TPU Bi-colors rubber protected body encapsulation and high density magnesium aluminum alloy framework, the device endures drops from the height of 2.5m and 1000 tumbles within 1m.

Powerful Endurance :



3800mAh dual-core high capacity anti-explosion battery persistently provides power for over 10 working hours. Charging cradle optional, can charge device and battery simultaneously, great for work in shifts.



High-Speed Performance :

With WinCE 6.0 and Android 5.1 Operating system, matching PXA310 806MHz and Qualcomm MSM8909 quad core 1.1GHz high speed processor with perfect compatibility and computing power.

Resourceful Configuration :



Adapts all kinds of scanning engines, supports WIFI/Bluetooth/WCDMA/EVDO/GPRS etc. communication transmission modes.



Stable Wireless Connection :

Supports 802.11 a/b/g/n full-band wireless communications, specially designed for matching large warehouses and other complex environments with WIFI technology. Excellent anti-disturbance performance, perfect data transmission provides more stable, efficient wireless support.

Partners

Microsoft

QUALCOMM

Honeywell

T-Mobile Systems

INTEL

swisslog

FOXCONN

S52 Specifications

Performance Parameter

Operating system	Microsoft Windows CE 6.0	Android 5.1
Processor	806MHz/1GHz	Quad core 1.1GHz
Memory	256MB RAM+256MB ROM/ 512MB RAM+512MB ROM	1G RAM+8G ROM/

Physical Parameter

Display screen	3.5" 240x320TFT ; color touchscreen	3.5" 480*640 capacitance touch HD LCD
Camera(optional)	5 mega pixel, autofocus, LED light	8 mega pixel, autofocus, LED light
Input method	English, Arabic input method, pinyin and handwriting input	English input, installation of input method supported
Working time	Above 12 hours in regular use Above 280 hours standby	Above 10 hours in regular use Above 200 hours standby
Battery	Unloadable 3.7V 3800mAh lithium battery	
Dimensions	179.5mm x 78.18mm x 31.02mm	
Weight	370g(Standard battery included)	
Keyboard	26 keys ,1 on-off key,1 reset key, 2 side scanning keys	
Power adapter	Input: AC 100 ~ 220V 50/60HZ; Output: DC 5.5--2.5A	
Audio(optional)	3.5mm stereo headphone jack, built-in speaker and built-in microphone(optional)	
Notification	Loudspeaker, indicator light and vibration	
Interface(optional)	Industry grade Micro USB 2.0 data interface, Micro SD/TF card slot, SIM card slot (optional), Charging interface, PSAM slot	

Environmental Parameter/IP Rate

Temperature	Working :-20°C ~ 50°C	Storage:-30°C ~ 60°C
Electrostatic	±15kV air discharge, ±8kV direct discharge	
Relative humidity	5% ~ 95%RH	
Protection grade	IP67 grade	
Height of anti-dropping	2.5m(On concrete ground)	
Strength of anti-rolling	1m(More than 1000 rolling by impact force)	

Communication Data Parameter

WIFI	IEEE 802.11 b/g/n	IEEE 802.11 a/b/g/n
Bluetooth	Bluetooth 2.1	Bluetooth 4.0
WWAN(optional)	GPRS/WCDMA/EVDO	GPRS/WCDMA/EVDO/ TDSCDMA/TDD-LTE/FDD-LTE

Identification Parameter

Barcode (optional)	2D image scanning engine
	Scanning precision : ≥ 3 mil
	Reading distance : 30cm-15m(Depends on barcode density and code system)
	Decoding capability: PDF417, MicroPDF417, Composite, RSS, TLC-39, Data matrix, QR code, Micro QR code, Aztec, Postal Codes: US PostNet; US Planet; UK Postal; Japan Postal Dutch Postal(KIX) etc

Others

CCC, RoHS, IP67 grade, CE, FCC and ISO9001



RoHS

Accessories

Standard kits



Battery



Charger



USB cable

Optional accessories



Cradle(support to charging
the device and 1 battery at
the same time)



4-slot Battery Charger



Handle

The final interpretation of this product is owned by Shenzhen Supoin Technology Corp.

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