

SG-P501

Dedicated to Supply Chain Warehousing



lot Handheld Terminal

5.5-inch HD screen · High-speed octa-core · 4G full Netcom

Streamline your mobile operations with our All-in-One Handheld Android POS. Featuring a built-in 58mm thermal printer, 5.5" HD screen, and 4G connectivity, it delivers professional efficiency anywhere.

Perfect for scenic spot ticketing and parking fee collection, this device allows staff to validate entry codes and print receipts instantly on the go. With a powerful CPU and long-lasting battery, it is the ultimate tool for modern business mobility, replacing bulky registers.

Product Specifications

Performance

Octa-core	
CPU	Cortex-A53 Octa-core 64-bit 2.0GHz high-performance processor
RAM+ROM	2GB + 16GB / 4GB + 64GB
System	Android 13

Data Communication

WLAN	Dual-band 2.4GHz / 5GHz, Support IEEE 802.11ac/a/b/g/n/d/e/h/i/j/k/r/v protocol
WWAN	2G:GSM (850/900/1800/1900MHz)
	3G:WCDMA (850/900/1900/2100MHz)
	4G:FDD:B1/B3/B4/B7/B8/B12/B20 TDD:B38/B39/B40/B41
Bluetooth	Support Bluetooth5.0+BLE,transmission distance 5-10 meters
GNSS	Support GPS,Galileo, Glonass, Beidou

Physical Specifications

Dimensions	179 mm×74.5 mm×22.5mm (The thinnest)
Weight	<500g (depends on configuration)
Display	5.5" IPS color display, resolution 720 × 1440
TP	Supports multi-touch
Battery capacity	Rechargeable polymer battery (3.8V 5500mAh)
	Standby time > 350 hours
	Working time > 12 hours
	Charging time 3–4 hours (with standard adapter and cable)
	Built-in spare battery, hot-swappable
Expansion Card slot	Micro SIM ×1, TF ×1, PSAM ×2 (optional)
Communication interface	Type-C 2.0 USB×1,Support OTG function
Audio	Speaker (mono), microphone, receiver
Keypad	Home, Delete, Back, Confirm Silicone keys: Power, Volume +/-, Scan ×2
Sensors	Gravity sensor, light sensor, proximity sensor, vibration motor

Language/Input Method

Input	English, Pinyin, Five strokes, Handwriting input, Support soft keypad
Language	Chinese, English, Korean, Japanese, Malaysian,etc.

Data Collection

Barcode Scanning (Standard)	
2D Scanning engine	Honeywell N5703, N6703, 6602
1D Symbologies	Code128 (ISBT 128,AIM 128,GS1 128),EAN-13,EAN-8,UPCE0,UPCE1,UPC-A,ISBN,ISSN,Code11,Interleaved 2 of 5,Code39,Code93,Code32,Codabar,Matrix 2 of 5,Industrial 25,IATA25,GS1 DataBar,GS1 DataBar Limited,GS1 DataBar Expanded,MSI Plessey,Plessey,Composite,etc.
2D Symbologies	QR,Micro QR,Data Matrix,PDF417,Micro PDF417, Aztec,Maxicode,Dotcode,Composite,HanXin,etc.
Camera (Standard)	
Rear camera	13MP HD camera, auto focus, flash, anti-shake, macro shooting
Front camera	2MP color camera
NFC (Standard)	
Frequency	13.56MHz
Protocol	Support ISO14443A/B, 15693 agreement
Distance	2cm-5cm

Thermal Sticker Printer (Standard)

Printing Speed	70mm/s
Print Points	384 dots
Paper slot	58mm
Paper Diameter	35mm
Paper Type	Supports sticker/label black mark printing

User Environment

Operating temperature	-20°C - 55°C
Storage temperature	-40°C - 70°C
Environment humidity	5%RH--95%RH(no condensation)
Environment humidity	temperature range, 6 sides can withstand a height of 1.5 meters,falling to the marble.
Rolling test	0.5m continuous rolling, 1000 times
Sealing	IP66

Accessories

Standard	Adapter, Data cable, Protective film, Instruction manual
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