

SG-805

Dedicated to Supply Chain Warehousing



lot Handheld Terminal

Octa-Core | Android 13 | IP66 Sealing | 8000mAh

The SG-805 is an 8.0-inch high-performance rugged industrial handheld terminal and tablet meticulously engineered for global supply chain warehousing, heavy-duty logistics, and demanding field workflows. Powered by a robust 8-core 2.0GHz processor and running on the advanced, secure Android 13.0 operating system, it supports 4G LTE full network connectivity to ensure seamless, real-time data synchronization in complex enterprise environments.

Tailored for elite data collection, the SG-805 integrates high-speed 1D/2D barcode scanning, standard 13.56MHz NFC, and customizable high-gain UHF RFID reader engines to capture deformed or reflective labels effortlessly. Featuring an ultra-rugged structural housing certified with an IP66 scaling protection rating, it easily survives continuous 1.5-meter drops onto marble surfaces—making it the ultimate mobile database computing tool to maximize frontline operational efficiency worldwide.

Product Specifications

Performance

Octa-core	
CPU	ARM Cortex A53 8-core 2.0GHz
Memory	4GB/8GB
Storage	64GB/128GB
System	Android 11.0/13.0

Data Communication

WiFi	IEEE 802.11 b/g/n
WWAN	2G (GSM) : 2G :850/900/1800/1900MHz CDMA/EVDO 800MHz
	3G (WCDMA) :850/900/1900/2100MHz
	4G : LTE-FDD:B1/B3/B7/B8/B28
	LTE-TDD:B38/B39/B40/B41
Bluetooth	Bluetooth 4.0 transmission distance Max: 10m
GNSS	Built-in GPS、Glonass、BEIDOU Galileo

Physical Specifications

Dimensions	260*117*32mm
Weight	785g(battery included)
Display	8-inch IPS screen, Resolution1280x800 pixs
TP	Industrial grade full screen capacitive screen
Battery capacity	8000mAh/3.8V (not removable)
	Standby time > 300 hours
	Working time > 12 hours
	Built-in polymer lithium-ion battery
Expansion Card slot	Supports TF *1 max: 64G,sim card slot *2,Type-A*1, Type-C*1, PSAM*1,DC*1
Communication interface	Type-C 2.0 USBx1,USB 2.0 Type-A * 1, Support OTG function
pogo Pin	9pins Pogo Pin *1
Audio	Speaker (mono), microphone, receiver
Keypad	1 power button + 1 scan button + 1 volume buttons
Sensors	Gyroscope *1,Gravity sensor *1,Vibration motor *1

Language/Input Method

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

Data Collection

Barcode Scanning (optional)	
1D Symbologies	Support UPC/EAN, Code129, code39, code11, cross 25 code, codabar, MSI, etc.
2D Symbologies	Supports QR, PDF417, Mirco QR, RSS, Aztec, Maxicode, etc.

Camera (Standard)

Rear camera	13.0MP HD camera, auto focus, flash, anti-shake, macro shooting
Front camera	5MP color camera

NFC (Standard)

Frequency	13.56MHz
Protocol	ISO/IEC 14443A/B,ISO15693
Distance	card reading distance:≤ 4cm

Fingerprint module(optional)

Ministry of Public Security certified fingerprint/
FBI certified fingerprint module

UHF RFID (optional)

spectrum range	902MHz - 928MHz /865MH z - 868MH z (optional)
Security module	EPCglo bal UH F Class 1 Gen 2/ ISO 18000 - 6 C
Recognition speed	>50 sheets/second
Read and write distance	1 - 2 meters (depending on label)

User Environment

Operating temperature	-10°C - 50°C
Storage temperature	-20°C - 70°C
Environment humidity	0~95%RH (no condensation)
Environment humidity	temperature range, 6 sides can withstand a height of 1.2 meters,falling to the marble.
Rolling test	0.5m continuous rolling, 1000 times
Sealing	IP65

Accessories

Standard	Box*1, machine*1, USB data cable*1, Instruction manual*1, charger*1, wrist strap*1
Optional	Equipment pendant(Used for equipment that requires a fixed position)