RFO TT2000
Smart Handheld
RFID Reader

Product Description

Main Features

The RFO-TT2000 with Integrated long-range RFID handheld reader brings a new level of efficiency and accuracy to inventory management, order fulfillment, cross-docking, and more. The integrated long-range antenna supports a best-in-class RFID read range, and coupled with high-performance ASIC radio technology, delivers higher throughput, so inventory counts can be accomplished more quickly and accurately. With rugged design, the RFO-TT2000 is built for your semi-industrial environments, yet is lightweight with the right ergonomics for all-day comfort. And the large touchscreen, intelligentized keypad and Android OS deliver an intuitive and flexible platform for your RFID application needs today and tomorrow.

Product pictures

Article no:		Standard	RFO TT2000

Typical Applications

•Manufacturing	•Health Care	•Service Maintenance & Diagnostics
•Security	•Asset management	•Automotive
•Waste management	•Food	•Retail & POS
•Logistics	•Transportation	•Home Automation

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Technical Specifications	RFO TT2000

Physical Charateristics

Dimensions	166 x 79 x 31 ±2 mm
Weight	650 g
Display	5.5 inch IPS HD，dpi 720*1440
Touchpanel	Corning Gorilla Glass 3rd generation Multi-touch capacitive screen
Expansion Slot	1x Sim (MUP-C785) 1x TF 1x PSAM (MUP-C785)
Communication	1x Type-C
Backlight	LED backlight
Keypad	Scan key, Number key
GPS	GPS and Beidou navagtion option (Error range ±5m)
Camera (Option)	Front: 5MP fixed focus Rear: 13 MP& 20 MP option Autofocus; flash LED generates balanced

BATTERY CHARACTERISTICS

Capacity	3.8V Li-Ion 9000mAh option with fast charging
Standby time	360hrs if wireless communication are closed
Charging time	＜5hrs（support quick charge）
Working time	14+ hrs (full of charge)

PERFORMANCE CHARACTERISTICS

CPU	MT 6771 Octa-core 64-bit processor 4 core A73 + 4 core A53，2.0GHz
Memory	RAM：2GB ROM：16GB（Standard） RAM：4GB ROM：64GB（Optional）
Operating System	Android 10.0
Extended memory	Micro T card, up to 256GB

TELECOMMUNICATION

Radio Frequency Band	4G:TD-LTE Band38/39/40/41 FDD-LTE Band 1,2,3,4,7,17,20 3G:WCDMA (850/1900/2100MHz); 2G:GSM/GPRS/Edge (850/900/1800/1900MHz)
Data Rates	2.4G/5G dual-band, IEEE802.11a/b/g/n/ac with WiFi roaming (seamless switching)
Bluetooth	v4.2+ EDR w/ Bluetooth Low Energy

User Environment

Operating Temp. / Storage Temp.	-20℃～50℃ / -20℃～70℃
Humidity	Humidity 5%～95% RH (non-condensing)
Sealing	IP65
Drop Test	Multiple 5 ft./1.5 m drops to concrete over the entire operating temperature range

Data Capture

1D laser engine	Honeywell N431 X & other (Code39, Code93, Code128, Codebar, EAN-13, EAN-8, UPC-A, UPC-E, ITF14, UCC/EAN-128, ITF25, Matrix25, EAN-128, ISBN etc.)
2D laser engine	Zebra SE4710/Zebra SE2100 & Other (PDF417,MicroPDF417,Composite,RSS,TLC-39,Datamatrix,QRcode,MicroQRcode,Aztec,MaxiCode,PostalCodes, USPostNet, USPlanet,UKPostal,AustralianPostal,JapanPostal,DutchPostal etc.

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RFID (Option)	
UHF	
Working Freq.	915MHz, 865MHz - (865-868MHz or 902-928MHz）
Standards Supported	EPC Class 1 Gen2; EPC Gen2 V2; ISO-18000-6C
Read Range	Up to 22m (Own-designed UHF modules option)
RFID Power Output	0 dBm to +33 dBm
RFID Antenna Type	Integrated Circular Polarized (5dbi)
HF	
Working Freq.	13.56 MHz
Standards Supported	ISO15693, ISO14443
Read Range	0 - 7 cm
NFC	
Working freq	13.56 MHz
Protocol	ISO14443A/B ISO15693, NFC-IP1, NFC-IP2 etc.
Tag supported	M1card（S50, S70), CPU card, NFC tags etc.
Read/Write range	5 - 10cm
LF	
Working Freq.	125K/134.2K ear tag
HF (CPU Card)	CPU card read/write supported Working with PSAM card
Active 2.45G (Custom)	Read Range: 200M / 200pcs tags reading one time
Accessories	
Standard	1xPower Supply; 1xLithium Polymer Battery; 1x Type-c charging cable
Option	Charging Dock