



RFO X21 PRO RFID (LF/HF/NFC) 6.3" display Auto-ID & RFID Handheld

DATA SHEET

Product Description (partially optional)

Main Features

The RFO-X21 is the ultra rugged 5G Android Handheld. More durable. More powerful. Still compact. The RFO-X21 is designed to keep your business ahead with 5G technology and a high-end industrial chipset, ensuring rapid data transmission and low latency. Our Handheld is built to withstand the harshest conditions with IP65 and IP68 ratings, MIL-STD-810H testing, new bumpers for added protection, and a 1.8-meter drop resistance.

- > Lightning-fast connectivity
- > Enhanced design for outdoor excellence
- > More durable than ever
- > User-friendly and customizable
- > Effortless device management
- > Reliable longevity and support

Product pictures



Article no:		RFO X21
Typical Applications		
•Manufacturing •Security •Waste management •Logistics	•Health Care •Asset management •Food •Transportation	•Service Maintenance & Diagnostics •Automotive •Retail & POS •Home Automation

Contact:

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Technical Specifications	RFO X21
Platform	
CPU	Qualcomm Snapdragon™ 6490 Processor, 64bits, Octa-Core up to 2.7 GHz AI Engine, 6th generation
Operating System	Android 14 (GMS) (Android Enterprise Recommended)
Performance Charateristics	
Memory RAM	Adreno 643 GPU - RAM and Storage: 6 GB / 64 GB
Connectors	USB 3.1 type C, supports fast charging, OTG, Display Port, Ethernet via dongle or cradle, Nano SIM Slot x 2 / Micro SD x 1, up to 1TB Bottom pogo pins for charging in cradles Rear pogo pins for expansions
Physical Charateristics	
Dimensions (mm)	167 x 75.5 x 17 mm 170 x 80 x 24 mm (with bumpers)
Weight	295 g
Buttons side	Programmable key, Volume up/down key, Left/Right scan key, Power key
Battery	5100mAh Li-ion battery - Hot-swappable for up to 1 minute
Display (Touch)	6.3" Color LCD 1080×2340 (FHD+) High Resolution Display High sunlight visibility- LCD backlight up to 500 nits Gorilla Glass with Multi-Touch Capacitive Touch Panel, support stylus, glove, wet-finger Compatibility
Audio	Speaker 1.5W. 100 dB at 10cm Dual-Microphone support noise cancellation
Scanning & Communications	
Camera (front)	5 megapixel
Camera (back side)	16 megapixel with auto-focus and flash
RFID (in BackPack optional)	
HF / NFC	13.56 MHz ISO14443A/B, ISO15693, Mifare, Felica (ISO/IEC18092)
LF	available soon
Wireless	
WLAN	Wi-Fi 6E+DBS, 2.4GHz & 5GHz & 6GHz / IEEE 802.11a/b/g/n, ac/ax, e/k/r/v/u PMKID (2×2 MU-MIMO) / Security WPA3, WPA2
WWAN	5G: n1/n2/n3/n5/n28/n41/n71/n77/n78/n79 (4×4 MIMO) 4G LTE(FDD) – Bands 1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 28 (TDD) – Bands 38, 39, 40, 41, 71 3G UMTS/HSPA+ – Bands 1, 2, 5, 8 2G GSM/GPRS/EDGE (850/900/1800/1900 MHz) *Supports Dual Sim Dual 5G *Supports 4G LTE Advanced , Up to CAT12 LTE downlink/uplink
PAN	BT 5.2, BLE 5, Class 1.5
GPS	GPS, Galileo, GLONASS, Beidou, QZSS, SBAS Supports L1+L5, a-GPS,XTRA
	Gyroscope, G-sensor, E-compass, Light & Proximity Sensor
Environment	
Operating Temperature	-20°C to 55°C (-4°F to 131°F) / Charging: 0°C to 45°C (32°F to 113°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F), without battery
Humidity	MIL-STD-810H:2019, Method 507.6, Procedure II - Aggravated Cycle 95%RH
Drop	MIL-STD-810H:2019 Method 516.8/ Procedure IV, 1.2m (4ft) Drop tested from 1.8m/1.5m with bumpers
Vibration & Mechanical shock	MIL-STD-810H:2019, Method 514.8, Procedure I Tumble tested 300 cycles (0.5m/1.6 ft.)
Sand, Dust & Water	IP65 & IP68 per IEC 60529

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Accessories	RFO X6PRO		
			
Power Cord CH or EU or UK	Memory Card 64 GB	Car charger	
			
4-slot Battery charger	5-slot charging station	Single docking station	
			
Carry case	Extended Battery	Vehicle dock with 12V lighter plug	Vehicle dock with hardwire kit
			
Pistol Grip	Screen protector	Passive Capacitive Pen	Fast charger UK/AU & EU
			
Suction Mount			

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