

**Model series: ROCKY  
8.0 inch IP67 Ruggedized Tablets with Barcode Scanner,  
Infrared, NFC/RFID and Fingerprint scanner.**

Windows 10 and Android OS versions available



## Overview

The model ROCKY is an Android Tablet PC, with 8.0 inch IPS Touch Screen  
It features a Qualcomm MSM8953 Octa core 2GHz CPU operation system, 4GB RAM, 64GB Flash Memory, 3G/4G-LTE.communications and Android OS 7.1.

This industrial RFID Tablet can be configured to scan 1D and 2D(QR) barcodes, have a RFID reader, Biometric Fingerprint identification and many other options and expansions.  
This ROCKY Ruggedized Tablet PC is the perfect productivity tool for employees in industrial companies working in harsh and extreme environments like Ship Building, Oil and Gas Processing, Transportation, Logistics, Fleet Management, Manufacturing, Mobile Fields Services and more.

Rocky - with it's choice of OS- fits in every companies' IT Infrastructure and can be expanded with additional applications and functionalities to master any job safely, securely and efficiently.

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## Key Features

- ◆ **Big Screen:** 8 inch LCD screen, 1280\*800 / 1920\*1200(optional) IPS capacitive touch screen, sunlight readable for outdoor use.
- ◆ **Advanced system:** Android 7.1 operating system; CPU MSM8953, 8 core, 2GHz CPU; RAM 4GB ROM 64GB, Micro SD 128G
- ◆ **IP67 three protection grade:** drop resistance from 1.2m
- ◆ **Multi functions data acquisition configuration:** 1D/2D bar code scanning, LF/HF/UHF RFID reader, fingerprint identification
- ◆ **Multi communication modes:** 3G/4G, wireless communication 4G, WIFI, Bluetooth
- ◆ **Super long life battery:** 10,000mA, more than 500 hours of continuous standby

## Technical Specifications

<b>Model</b>	ROCKY
<b>Operating System</b>	Windows 10 or Android OS
<b>CPU</b>	MSM8953, 8 core CPU, 2GHz
<b>GPU</b>	Qualcomm® Adreno™ 506 GPU,650Mhz
<b>RAM</b>	RAM: 4GB
	FLASH: 64GB
<b>Extended Storage</b>	Micro SD, Maximum 128G
<b>USB port</b>	5 pin MicroUSB; Support to connect U-disk/Mouse/Keyboard/OTG line

<b>OTG</b>	Through OTG can meet 100M network port, network card setup, PPPoE dial-up, web browsing. Support OTG extend RS232 serial port/485 serial port/RJ45 Serial port
<b>External Port</b>	Charge port, headphone port
<b>Protection Grade</b>	
Industrial Protection Grade	IP67
Drop Grade	Drop resistance from 1.2m
<b>Wireless Communication</b>	
Bluetooth	Support 4.0
GPS	GPS+BDS+A-GPS+GLONASS
	Qualcomm GPS 3m
WIFI	Support IEEE 802.11a/b/g/n/ac (2.4G and 5G bands)
2G/3G/4G LTE	GSM 850/900/1800/1900 B5/B8/B3/B2
	WCDMA 2100/1900/1700 B1/B2/B4
	TD-SCDMA B34/B39
	FDD-LTE: B1/B3/B5/B7/B8 2100/1800/850/2600/900
	TDD-LTE : B38/B39/B41/B40/
	Band38:2570 MHz - 2620 MHz
	Band39: 1880 MHz - 1920 MHz
	B41:2555-2655MHz
B40:2300-2400MHz	

<b>Physical Parameters</b>	
Display Screen	8 inch LCD screen,1280*800 (Optional 1920*1200) IPS screen, capacitive touch screen
Keyboard	Android menu, Homepage, Return, Volume, Barcode, ON/OFF, Reset
Camera	5 million pixels front camera, 13 million pixels rear camera with automatic focus and lighting function
Headset	3.5mm audio Interface, has MIC and Single loudspeaker
LED indicator light	Support (ordinary flicker, Call fast flicker, missed calls, charge indicator)
Flashlight Function	Support, can be used for emergency lighting
Google play store	Support
Gravity sensor	Support
Compass	Support
Acceleration sensors	Support
Magnetometer	Support
Light and distance sensor	Support

Vibrating motor	Support
FM	Support
Rechargeable Lithium Battery	3.8V, 10000mAh
Standby	About 500 hours
Working time	About 8 hours
Dimension	232*158*22
Weight	810g
<b>Environmental Characteristics</b>	
Working Temperature	-10°C ~ +50°C
Storage Temperature	-40°C ~ +60°C
Humidity	5%-95% relative humidity; no condensation
<b>Optional Function</b>	
<b>Fingerprint Identification</b>	Supports fingerprint entry, image collection, fingerprint recognition, fingerprint deletion etc.
	Type: AuthenTec TCSIST semiconductor sensor
	Acquisition window size: 24.5*19mm
	Effective image size: 15.5*18.5mm
	Sensor type: capacitive

	<p>Image size: 256*360 pixel</p> <p>Resolution: 500 DPI</p> <p>Matching mode: contrast mode(1:1); search mode(1:N)</p>	
<b>Far Infrared Meter Reading</b>	Working frequency 37.9K	
<b>Barcode Scanning</b>	<p><b>1D Laser Scanner Index(Internal):</b></p> <p>Honeywell N4313 or Zebra EM1350</p> <p>Scanning speed: 104 times/second+12 times/second (two way scanning)</p> <p>Scanning distance: 2.5cm-114.3cm</p> <p>Scanning angle: 47±3°(default) /35±3°(reduced code)</p>	
	<p><b>2D Barcode Scanner Index(Internal):</b></p> <p>Newlands EM3096</p> <p>Honeywell N3680</p> <p>Motorola SE4750</p> <p>Identification ability: 1D, 2D, OCR</p> <p>Scanning angle: rotate 360°, incline±50°, deflection ±50°</p> <p>Field of View: Horizontal 36°, vertical 23°</p> <p>Depth of field: 4cm-23.5cm</p> <p>Environmental luminance: 0~100,000 LUX</p>	
<b>RFID</b>	<p><b>HF RFID(Internal):</b></p> <p>Support NFC/NXP, 13.56MHZ ISO14443A,B and ISO15693 protocol, reading distance 0-3cm, Tag support type:SR176,SRIX4K(TYPE-B),I-Code2,TI RFID Tag-it HF-I,EM4034,Mifare Classic ETC</p>	
	<b>LF RFID:</b>	134.2KHZ LF RFID, support ISO11784/5 protocol, support to read EM, TEMID, TK cards and compatible cards IC card(FDX/HDX)

		125KHZ LF RFID, support to read ID card
	<b>UHF RFID</b>	<b>Internal</b> Ray links RLM060 or ThingMagic M6E-NANO, EPC C1 GEN2/ISO 18000-6C,output power 10dBm-30dBm Reading distance: 1m Ceramic antenna: 0.3db(25*25*4mm)
		<b>External (not available now)</b> Supports EPC C1 GEN2/ ISO 18000-6C and ISO 18000-6B/6C protocol Reading distance:1.8m/3.5m Frequency:865-868Mhz or 920-925Mhz Ceramic antenna: 0.3db(25*25*4mm)