



## RFO-CS720 Smart RFID UHF PDA

# DATA SHEET

### Product Description

#### Main Features

The RFO-CS720 is an industrial RFID terminal of data capture. It supports both RFID tags recognition and traditional barcode like 1D & 2D scanning. Even though, RFO-CS720 is designed with only 465g weight, which is easier for the user to hold and operate it for a long time. By the RFID module & scanner combination, RFO-CS720 could be widely used in industries like retail, warehousing, public assets management, etc. to help customers to optimize their business and assets management.

#### Features:

- Qualcomm 8 core 1.8GHz CPU
- Android 9.0
- RAM+ROM: 4+64GB
- 5.2" FHD (1080P) screen
- 6400mAh Battery
- IP65/1.5m drop test
- 4G/Dual-band WIFI

### Product Dimension



<b>Article no:</b>	Standard	RFO-CS720
<b>Typical Applications</b>		
<ul style="list-style-type: none"> <li>•Manufacturing</li> <li>•Security</li> <li>•Waste management</li> <li>•Logistics</li> </ul>	<ul style="list-style-type: none"> <li>•Health Care</li> <li>•Asset management</li> <li>•Food</li> <li>•Transportation</li> </ul>	<ul style="list-style-type: none"> <li>•Service Maintenance &amp; Diagnostics</li> <li>•Automotive</li> <li>•Retail &amp; POS</li> <li>•Home Automation</li> </ul>

#### Contact:

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Technical Specifications		RFO CS720	
<b>Platform</b>			
CPU Option 1	Cortex-A53 Octa core 1.8GHz		
Operating System	Android 9.0		
Memory	4GB+64GB		
<b>Physical Characteristics</b>			
Dimensions	156(H)×127.5(W)×79.5(T)mm		
Weight	480g (depends on different configurations)		
Touch Panel	Multi-touch panel, gloves and wet hands supported		
Display	5.2 inch, 1920*1080		
Power	Device battery: removable 6400mAh rated capacity; Bottom type-C USB interface, support QC 3.0, support intelligently identifying PC and charger; Support charging cradle for charging the pistol grip.		
Expansion Slot	Micro SD Card, 128GB SDHC compatible		
Notification	Sound, Vibrator, LED indicator		
Keypad	Volume +, Volume -, Power on/off button, 2 scan buttons, pistol grip scan button, and 1 customer key		
<b>Scanning &amp; Communications</b>			
Barcode reader (optional)	2D Image scan engine		
Camera (optional)	Front camera:5M pixel / Rear camera: 8M pixel		
<b>UHF RFID</b>			
Frequency	840-960MHz (may be slightly different depending on the country or region), default 902-928MHz		
Protocol	ISO-18000-6C, EPCC1G2		
Antenna	4dBi circular polarization, default as 920-925MHz		
Power	5~33dBm		
Reading Range / Writing Range	>8m @impinj H47 (depending on the tag and environment) / 0-300cm (depending on the tag and environment)		
Multi-tag reading	500 tags decoding within 20 seconds (actual speed subjects to the influence of surroundings)		
<b>NFC</b>			
Protocol	Support ISO15693, ISO14443A/B (without encryption protocol), ISO14443A encrypted tags (Mifare one S50, S70 and the compatible cards), support NFC protocol and Identification Cards.		
Frequency	13.56 MHz		
<b>Wireless</b>			
WLAN	IEEE 802.11a/b/g/n/ac (2.4G/5G dual-band WIFI)		
Bluetooth	Bluetooth 4.2 (Support BLE)		
WWAN (optional)	2G: 850/900/1800/1900MHz		
GNSS	GPS/AGPS, GLONASS, Beidou, internal antenna		
<b>Accessories</b>			
Others	Fast Charge Adapter	Single Charging Dock (optional)	
	Type-C USB Cable	4-slot Charging Dock (optional)	
		Handle Battery (optional)	
		4-slot Battery Charger (optional)	
<b>Environment</b>			
Operating Temperature	-20 °C to +50 °C		
Storage Temperature	-40°C to + 70°C		
Humidity	5% to 95% RH non-condensing		
Drop	Multiple 1.5m drops to marble across the operating temperature range		
Tumble Specification	1,000 1.64 ft./0.5 m tumbles (2,000 impacts)		
ESD	±15kV Air discharge, ±8kV direct discharge		
Sealing	IP65		

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Technical Specifications	RFO-CS720 Accessories			
 <p data-bbox="469 631 663 658">Fast Charge Adapter</p>		 <p data-bbox="938 624 1110 651">Type-C USB Cable</p>		
 <p data-bbox="284 943 491 992">Single Charging Dock (optional)</p>	 <p data-bbox="612 943 820 992">4-slot Battery Charger (optional)</p>	 <p data-bbox="903 943 1102 992">4-slot Charging Dock (optional)</p>	 <p data-bbox="1201 943 1342 992">Handle Battery (optional)</p>	

Article no:	further options	on demand
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