

# XR2 UHF RFID READER

## Power and Performance Redefined

In today's data-driven world, precise and reliable data collection is paramount for organizations to thrive. UHF RFID technology offers a seamless and cost-effective method for capturing business-critical information and is instrumental in transforming warehouse management, optimizing inventory accuracy and maximizing asset utilization. Janam's XR2 integrates advanced UHF RFID capabilities into a robust, all-in-one device designed to deliver unmatched efficiency and increased productivity in the most challenging environments including high-volume retail, fast-paced logistics, complex manufacturing floors, extensive warehouse operations and demanding healthcare facilities.

Engineered without compromise and powered by the industry-leading Impinj E710 reader chip, XR2 effortlessly reads more than 1,300 EPC Class 1 Gen 2 tags per second from up to 60 feet (20 meters) away. In addition, XR2 is equipped with an advanced 2D imager for robust decoding of even the hardest-to-read barcodes for rapid and reliable data capture in every scan.

XR2 offers advanced cellular connectivity to enable uninterrupted communication and data exchange in the field. JanamConnect, an optional multi-carrier, intelligent SIM card solution, provides XR2 customers with access to the best-performing cellular networks, regardless of location. With JanamConnect, XR2 automatically connects to the strongest available carrier signal from AT&T, Verizon, T-Mobile and more than 600 leading wireless networks around the world. Additionally, with integrated GPS capabilities, XR2 delivers precise tag location data and enables businesses to gain valuable insights into asset movements, optimize logistics and improve operational efficiencies.

### Right Features. Right Price.

- Sleek and ergonomic
- High-sensitivity circular antenna (5dBi)
- Lightning-fast RFID and barcode read rates
- Tag writing and locationing capabilities
- Standard 2-year warranty



#### POWERED BY ANDROID

Android 13  
(Upgradable to 15)



#### BRILLIANT DISPLAY

Ultra-bright, high-resolution  
5.7-inch screen



#### ULTRA-POWERFUL PROCESSOR

Qualcomm Snapdragon  
662 octa-core, 2.45GHz



#### HIGH-CAPACITY BATTERY

9000mAh (3.85v) — largest  
capacity in its class



#### ULTRA-FAST RFID READER

Impinj E710 chip



#### ROBUST BARCODE SCANNING

Honeywell 1D/2D imager



#### WELL-CONNECTED

Integrated 4G LTE, Wi-Fi,  
Bluetooth v5.1



#### EXPANDABLE STORAGE

4GB/64GB of memory;  
256GB microSD



#### BUILT TO THRIVE

Sealed to IP67 standard and  
withstands 4'/1.2m drops



#### ERGONOMICALLY DESIGNED

Small and light — less than  
24 ounces



#### HIGH-PERFORMANCE CAMERAS

5MP/13MP front- and top-facing  
cameras



#### PRECISE POSITIONING

GPS, A-GPS, BeiDou,  
GLONASS, Galileo

# XR2 UHF RFID READER SPECIFICATIONS

## TECHNICAL

Operating System	Android 13 with Google Mobile Services (upgradable to Android 15)
Processor	Qualcomm octa-core 2.45GHz
Memory	4GB/64GB
Battery	9000mAh 3.85v rechargeable Li-ion battery

## PHYSICAL

Dimension	5.64in. x 6.65 in. x 3.56 in. / 143.3 mm x 169 mm x 90.5 mm
Weight	26.2 oz./678 g
Display	5.7-inch (720 x 1440); color display
Touch Panel	Corning Gorilla Glass touch panel; supports dual input mode with finger, gloved finger and stylus; water droplet rejection; anti-fingerprint and anti-smudge coating
Backlight	LED Backlight
Cards	User accessible MicroSD ( 256GB); Nano-SIMx2

## USER ENVIRONMENT

Operating Temperature	-4° to 140° F / -20° to 60° C
Storage Temperature	-40° to 158° F / -40° to 70° C
Humidity	5% to 95% RH (non-condensing)
Drop Specifications	Multiple 4ft/1.2m drops to concrete
Sealing	IP67
Electrostatic Discharge (ESD)	+/- 15kV air; +/- 8kV contact +/- 8kV indirect contact discharge

## INTERFACE FEATURES

Voice and Audio	Built-in speaker (1.5W) and microphone (noise cancellation)
Alerts	LED lights; Audio
Sensors	Accelerometer with gyroscope; Proximity sensor; Light sensor

## DATA CAPTURE

Imager	Honeywell N5703 1D/2D imager
Camera	5MP/13MP front- and top-facing cameras with Flash

## RFID

Standards Supported	EPC Class 1 Gen2; ISO-18000-63
RFID Engine	Impinj E710
Fastest Read Rate	1300+ tags/sec
Normal Read Range	~60+ ft./~18.2+ m
Frequency Range	865-928MHz; 902-928MHz

## WIRELESS COMMUNICATION

WWAN	Mode: Dual-SIM Dual-Standby
Frequency	TD-LTE(B34/B38/B39/B40/B41) FDD-LTE(B1/B2/B3/B4/B5/ B7/B8/B12/B13/B17/B20/B28A/B28B)  WCDMA(B1/B2/B4/B5/B8) TD-SCDMA(B34/B3 9) CDMA2000 1x EV-DO Rev.A BC0 (800MHz)  CDMA1x GSM/EDGE/GPRS(850/900/1800/1900)
WLAN	2.4G/5G Wi-Fi; IEEE 802.11 a/b/g/n/ac/d/e/ h/i//k/r/v/w; 802.11ax ready
Operating Channels (depending on Regulatory)	Channels 1-13, 34-140, 149-165
Bluetooth	Class 2, Bluetooth v5.1, with BR/EDR and Bluetooth Low Energy Support
Positioning	GPS, A-GPS, BeiDou, GLONASS , Galileo
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise 192-bit mode (GCMP-256) - EAP-TLS; Enhanced Open (OWE)
Fast Roam	PMKID caching; Cisco CCKM; 802.11r; OKC

## REGULATORY

EMI/EMC	FCC Part 15 Subpart B Class B; ICES 003 Class B; EN 301 489-1; EN 301 489-3; EN 55024; EN 55032 Class B
Electrical Safety	UL 60950-1, CAN/CSA C22.2 No. 60950-1, IEC 60950-1, EN 60950-1
RF Exposure	EU: EN 50364, EN 62369-1, EN 50566, EN 62311 USA: FCC Part 2, 1093 OET Bulletin 65 Supplement 'C' Canada: RSS-102

## ENVIRONMENTAL COMPLIANCE

Environment	RoHS Directive 2011/65/EU; Amendment 2015/863; REACH SVHC 1907/2006
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## ACCESSORIES

Single-slot charging cradle



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