

FXP20 POS RFID Reader

Optimize Checkouts and Increase Visibility at the Point of Sale

The Zebra FXP20 is a fixed RFID reader designed specifically for retail environments. The FXP20 incorporates both an antenna and a reader into one compact, consolidated device that's easy to deploy and configure at the point of sale. Adjustable visual and auditory signals provide instant feedback for successful scans, making it ideal for both staffed checkouts and self-checkouts, as well as inventory control and loss detection for retail operations.



Engineered for Retail

Industry-Leading RFID Technology

Zebra brings decades of engineering excellence to our RFID portfolio, and the FXP20 inherits that legacy of continuous testing and improvement. Its high performance and ability to filter out stray tags provide fast, accurate checkout and inventory management. The FXP20 reads every RFID tag at the point of sale without being confused by items in neighboring lanes or nearby displays.

Compact, All-in-One Design

With both antenna and reader contained in one compact design, the FXP20 adapts easily to a variety of retail applications and workflows, and scales readily from a single point-of-sale counter to large, complex retail operations. It functions as a simple pad reader on any available work surface, while an optional adapter plate enables the unit to sit flush within a flat counter.

Easy Deployment and Setup

The Zebra FXP20 integrates quickly and easily into checkout counters and other retail control points—simply connect its USB cable to the existing point-of-sale system. Zebra's RFID tools, APIs and SDKs help walk you through any necessary configuration steps with easy-to-understand menus and built-in tutorials.

Specifications

Physical Characteristics	
Dimensions	RFID Pad: 4.7 in x 4.6 in x 1.2 in 120 mm x 117 mm x 30 mm Adapter Plate: 7.3 in x 9.7 in x 1.3 in 185 mm x 245 mm x 34 mm
Weight	440 grams
Power	12VDC, 2A
Visual Status Indicators	3 LED indicator multicolor lights (green, blue, orange)
Audible Status Indicators	Buzzer adjustable from 0 to 95 dB
Connectivity	1 x USB Host Type-B
RF Characteristics	
Operating Frequency (UHF)	U.S. Reader: 902 MHz – 928 MHz Global Reader: 902 MHz – 928 MHz (maximum, supports countries that use a part of this band), 865 MHz – 868 MHz
Transmit Power	-10 to 27 dBm
Receiver Sensitivity	-78 dBm
Antenna Orientation	Circular Polarized
Antenna Gain	2.5 DblC
Frequency Range and RF System Output	H-pol. (865.0, 867.0, 890.0, 902.0, 915.0, 928.0 MHz) V-pol. (865.0, 867.0, 890.0, 902.0, 915.0, 928.0 MHz)
Environment	
Operating Temperature	-4° to +131° F / -20° to +55° C
Storage Temperature	-40° to +158° F / -40° to +70° C
Humidity	5–95% non-condensing
Regulatory Compliance	
Safety	EN 62368-1, IEC 62368-1, UL 62368-1
RF/EMI/EMC	FCC Pt.15 Subparts B & C, ICES-003, RSS-247, EN 302 208, EN 301 489-1/3
SAR/MPE	47 CFR Part2.1091, RSS-102, EN 50364
Other	RoHS, WEEE

Markets and Applications

Retail

- Staffed Checkout
- Self-Checkout
- Inventory Control
- Loss Detection



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