



FXR90 Ultra-Rugged Fixed RFID Readers Expand Asset Tracking for Manufacturing

When your business depends on reliable accuracy and visibility—no matter the environment—you need to be confident your RFID reader can withstand the harshest conditions.

Keep your supply chain moving, improve access control, and track your assets and inventory even in extreme weather with versatile, easy-to-use Zebra FXR90 Ultra-Rugged Fixed RFID Readers. Designed to be easily deployed in the toughest conditions, these devices are built to perform reliably in a wide range of harsh environments—both indoors and outside. And with wireless backhaul options and an integrated RFID antenna, deployment is made easy.

Optimize your asset management with Zebra FXR90 Ultra-Rugged Fixed RFID Readers, delivering the high performance, greater connectivity and easier deployment that your workflows demand and your business requires—anywhere within your facility or outside its four walls.

Objectives

- Operate anywhere
- Deploy easily
- Take versatility to the next level

Challenge

Before solutions were integrated, your business had to rely on accessories that provided wireless connectivity to your fixed RFID readers. But now you can have an end-to-end solution that's easy to use, easy to install, and built to withstand extreme conditions.

Zebra Solution

Zebra FXR90 Ultra-Rugged Fixed RFID Readers provide insight into supply chain operations across a wide range of demanding industrial and outdoor environments to track assets more efficiently and drive intelligent business decisions. And with wireless backhaul options and an integrated RFID antenna, these versatile readers deliver results even in the harshest conditions.



No Matter the Environment, Zebra Can Handle It

Zebra FXR90 Ultra-Rugged Fixed RFID Readers are up to the challenge. They operate anywhere, even outside the four walls of your facility—withstanding liquid and dust while enduring a wide range of temperatures. They deploy easily across the largest facilities with an integrated RFID antenna and built-in wireless technologies designed for simple, cable-free installation for unmatched connectivity today and tomorrow.



Ruggedized Design and Robust Performance

- Extends RFID coverage to outdoor as well as indoor environments
- Withstands extreme weather and environments, rated IP65 (spray) and IP67 (submersion)
- Supports regular washdowns and cleaning (not all cleaning solutions)*

Simplified Deployment and Ease of Use

- Allows standardized remote management and control, with firmware updates easily deployed over the air (Ota) without having to touch every device
- No need to run antenna cables in your environment
- Allows a lower cost per read-point with an eight-antenna port configuration
- Enables deployment, configuration and management of a fleet of readers

Wireless Connectivity to Innovate the Industry

- Bluetooth® 5.3 enables connectivity to the FXR90
- 5G allows remote data backhaul and management when Wi-Fi or cabled networks are not available
- Supports additional use cases outside the four walls with GPS

* See product documentation.

Features at a Glance

- Ultra-rugged dual IP65/IP67 sealing and rugged/sealed M12 connectors
- Wider operating temperature range for more robust use cases including cold chain (-40°F to 149°F/-40°C to 65°C)
- Faster read rates—more than 30% faster than the competition
- Indoor/outdoor management with built-in 5G, GPS and CBRS
- Easy connection to networks with Wi-Fi 6
- Wireless connection to mobile devices with Bluetooth® to configure the reader and act as a Bluetooth beacon or bridge
- Integrated RFID antenna and multiple antenna port configurations for flexible deployment
- Versatile power options
- Flexible mounting options for different environments (VESA, flush mount, pole mount, etc.)
- IoT Connector to provide data using modern, secure protocols



Manufacturing Market Subsegments

- Automobile
- Food and beverage
- Energy/fuel
- Heavy industrial
- Electronics
- Health care
- Natural resources
- Aviation

Manufacturing Applications

- WIP tracking
- Raw material inventory
- Pipeline/utility tracking
- RTO tracking
- Manufacturing automation

Use Cases and Applications for Manufacturing

Work in Process (WIP) Tracking

Understand where inventory is throughout the entire process to gain insights into performance and efficiency.

Raw Material Inventory

Keep track of all component parts in stock not yet in production to stay ahead of demand and avoid downtime due to lost inventory.

Pipeline/Utility Tracking

Take automated inventory of each truck to verify correct loads and track replenishment needs.

RTO Tracking

Track pallet movements through a facility to final delivery using GPS capabilities.

Manufacturing Automation

Integrate a reader into an automated workflow through a programmable logic controller (PLC) and drive the automation based off an RFID reader for exception handling, asset routing, etc.

Take your operations to the next level with Zebra FXR90 Ultra-Rugged Fixed RFID Readers. Learn more at www.zebra.com/FXR90.



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