

Secure Wireless Infrastructure for Zebra Frontline Operations

How RUCKUS Networks enables reliable and secure connectivity for Zebra mobile computing, scanning, and printing environments

Overview

Frontline operations depend on uninterrupted connectivity. Zebra mobile computers, scanners, and printers are often deployed in large, complex environments where wireless reliability is critical to business operations.

RUCKUS Networks provides the secure, high-performance wired and wireless infrastructure required to support Zebra device environments at scale.

The Challenge

Organizations deploying Zebra devices often operate in environments such as:

- Large warehouses with inventory dense aisles, where shelving layout and stored materials significantly affect RF propagation
- Distribution centers with dock doors and high mobility
- Retail stores with fluctuating device density
- Industrial facilities with RF interference and physical obstructions

These conditions place heavy demands on wireless infrastructure and can expose gaps that impact device performance, roaming reliability, and operational continuity.

The RUCKUS + Zebra Solution

RUCKUS Networks delivers enterprise-grade wired and wireless solutions purpose-built for challenging environments where Zebra devices are integral to daily operations.

Key capabilities include:

- Advanced RF technologies optimized for complex layouts
- Enterprise-grade switching and resilient infrastructure
- Secure access and network segmentation
- Predictable roaming performance for mobile users and devices

Together, RUCKUS and Zebra enable dependable connectivity that supports frontline workflows without compromise.

Operational Use Cases

- Inventory management
- Order picking and packing
- Shipping and dock operations
- Asset visibility and tracking
- Store and warehouse staff communications

Business Value

- More consistent Zebra device performance
- Reduced operational disruptions caused by connectivity issues
- Improved productivity across frontline teams
- Infrastructure scalability to meet future growth

Conclusion

By pairing Zebra's enterprise devices with RUCKUS wired and wireless infrastructure, organizations can build a resilient foundation for frontline operations—ensuring critical workflows remain connected, responsive, and secure.