

## XR450 Fixed RFID Reader



Motorola's XR450 RFID reader is an industrial-class, fixed RFID reader designed for business-critical, dense-reader deployments. With both mono-static and bi-static antenna operation capability, it has the flexibility to meet a wide range of application and environment needs.

The XR450 fixed reader provides ease of integration and rich application support while reading tags reliably and efficiently. It provides comprehensive application flexibility, including support for direct application hosting; standard back-end platforms from IBM, Microsoft, SAP and others; and the ability to interact with industrial automation equipment such as conveyors.

### **Robust platform for industrial-class EPCGen 2 RFID implementations**

Delivers high-performance RFID data capture and communication in dense reader environments

### **Support for 4 Mono-static / 4 Bi-static ports**

Facilitates decreased deployment complexity and increased flexibility of RFID implementations

### **Microsoft Windows® CE5.0 direct application hosting, Intel XScale® processor with 64 MB RAM/64 MB Flash**

Enables easy integration of wide range of third-party applications to maximize business operational efficiency; enables upgrading to meet future requirements; maximizes product lifespan; provides outstanding investment protection

### **Support for U.S. and other countries**

Flexibility to support global deployments

### **Open standards-based architecture**

Enables seamless integration with existing IT environment

### **Enterprise connectivity through control I/O ports**

Expand RFID solutions to include intelligent initialization, direction and control of conveyor belts, portals and more

### **Durable construction**

Maximizes uptime and reduces maintenance and repair costs

### **Advanced data collection features**

Filtering, reconciliation, user-defined association, selective visibility and more enable the delivery of refined real-time information, enabling the rapid collection and delivery of meaningful data

**Security Features**

Secure data transmission over external network interfaces with secure FTP transfers of files to and from the reader

**PHYSICAL CHARACTERISTICS**

Base material	Die-cast aluminum
Dimensions (HxWxD)	8.75 in x 11.75 x 2.0 in. (22cm L x 30cm W x 5cm) H x W x D
Visual status indicators	LEDs for power (green), activity (yellow) and error (red)
Weight	5 lbs (2.27 kg)

**USER ENVIRONMENT**

Environmental sealing	IP53
Humidity	IEC 60068-30/56 5-95% non-condensing
Operating temperature	-20° to +55° C (-4° to +141° F)
Storage temperature	-40° to +70° C (-40° to +158° F) @ 85% RH
Temperature	IEC 60068-2-1/2/14
Vibration	IEC 60068-2-6

**RFID**

Frequency	UHF band, 902-928 MHz US
Power output	Up to 30 dBm
Standards supported	EPC Gen 2 (Dense Reader Mode)

**CONNECTIVITY**

External interfaces	Control I/O (12) – DB15, RS232 Serial Console – DB9, USB Host – USB Type A, USB Client – USB Type B
Network connectivity	10/100 BaseT Ethernet – RJ45
Power supply	+24v DC @ 1.2 amps
RF connectors	8 Reverse TNC
Read points	4 mono-static ports (default operation); Or 4 bi-static ports (4 transmit ports, 4 receive ports)

## OS AND FIRMWARE MANAGEMENT

Firmware upgrade	Web-based and remote firmware upgrade capabilities
Host interface protocols	XML and Byte Stream
IP addressing	Static and dynamic
Management protocols	SNMP support
Memory	Flash 64 MB; DRAM 64 MB
Operating system	Microsoft Windows CE 5.0
Synchronization	Network Time Protocol

## WARRANTY

Disclaimer <sup>1</sup>	The XR450 is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.
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## NOTICES AND DISCLAIMERS

Notices and Disclaimers <sup>2</sup>	See footnotes
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