RFID FIXED READERS

Optimize inventory and asset management with a flexible, industrial-class RFID reader

Symbol's XR400 is a multi-protocol RFID fixed reader designed to function as part of a complete RFID system for accurately tracking the location and status of inventory and assets across your enterprise. Whether in a distribution center, on the manufacturing floor or in a store front, the XR400 gives you the ability to read, update and transfer RFID tag information in real time to your enterprise systems.

Experience the Gen 2 advantage

The XR400 reader has been certified for Generation (Gen) 2 compliance by EPCglobal™, an international, not-for-profit standards organization. This high-performing reader provides full support for the increased capabilities offered by Gen 2 such as key performance, capacity, security and RF efficiency advantages. In addition, the XR400's flexible design insures you have the best performance whether you are deploying Gen 2 tags or migrating from Gen 1 to Gen 2.

Ensure high performance in multi-reader environments

One of the most accurate RFID data capture devices available on the market, the XR400 decreases the chance of reader errors, providing you with reliable real-time data throughout your operations. The XR400 is dense-reader mode certified by EPCglobal. The most demanding operational mode in Gen 2, dense-reader mode enables reliable and long read rates in dense RF environments where interference can occur when multiple RFID readers are deployed in close proximity to one another.

Increase your system's capabilities with hosted application processing

Built on an extensible, open architecture and industry-standard Microsoft® operating system, the XR400 reader gives you a platform for hosting-and quickly customizing-productivity-enhancing third-party software tools to support your business operations. For example, you might host an application to direct the flow of goods through your warehouse or quickly adapt a custom application to report the status of automated components, such as forklifts or conveyors.

The XR400 increases productivity through the ability to embed a wide array of software applications. For example, IBM's WebSphere® RFID Device Infrastructure can be embedded in the XR400 to provide a secure, reliable Java platform to streamline logistics, improve inventory management, and provide better visibility of products throughout the supply chain, creating an "intelligent" RFID reader to automate and manage the incoming RFID data. WRDI applications process and filter the incoming RFID data for integration with upstream IT systems, ensuring delivery of critical RFID events to enterprise IT systems. These events



FEATURES	BENEFITS
Cost-effective foundation for industrial-class RFID implementations	Delivers high-performance RFID data capture and communication as a stand-alone reader or as a system component
Hosts applications directly on the reader	Enables the real-time enterprise by allowing you to host applications best suited to your business and customize them to your data and network management requirements
Enterprise connectivity	Integrates control I/O ports to allow sensor and actuator peripherals (i.e. lights, PLCs) on forklifts, conveyors and portals to be intelligently initialized, directed and controlled
Tag protocol functionality	Supports EPC Gen 2 and Gen 1 tag constructs
Open standards-based architecture	Allows rapid development of custom software specifically tailored to meet data filtering and management requirements and lets you embed third-party applications for higher performance
Durable construction	Maximizes uptime and reduces maintenance and repair costs



can provide sales trend analysis, providing management with the decision-making tools to optimize inventory management - and reduce inventory levels and associated costs.

Build a powerful enterprise system

Our RFID products span the entire spectrum of components required for a successful enterprise RFID solution, from fixed and mobile readers to packaged systems and services. All are designed for rapid deployment, simplified management, long life and seamless interoperability, so you get measurable return on investment and long-term value.

The XR400 integrates control I/O ports to manage devices such as light sensors and alarms. With these peripherals, you are able to use RFID to activate various business processes, including build-to-order assembly lines that are reconfigured based on the specific products being received on the conveyer belt; real-time alerts that stop forklift drivers from delivering products to the wrong location; and "handle with care" rules that signal an item's fragility at the moment it passes by a dock door reader.

Get support from start to finish

At Symbol, we help you get the most from RFID by offering the services you need to successfully incorporate RFID technology into your environment. Our Professional Services form the foundation of a successful RFID solution with a complete suite of services from planning and assessment through implementation, while our Customer Services help ensure ongoing continuity of operations by delivering management and maintenance support once your solution is implemented.

For more information about the XR400, please visit us on the Web at **www.symbol.com/xr400** or contact us at +1.800.722.6234 or +1.631.738.2400.

Specification Highlights

XR400

Dimensions:	8.75 in. L x 11.75 in. W x 2.0 in. H
	(approx. 22 cm x 30 cm x 5 cm)
Weight:	4.85 lbs. (2.2 kilograms)
Base Material:	Die-cast aluminum
Visual Status Indicators:	LEDs for power (green), activity (yellow) and error (red)
Connectivity	
Network:	10/100 BaseT Ethernet RJ45
External Interfaces:	Control I/O Port (12) DB15 USB Host Hardware USB RS232 Serial Console DB9
RF Connectors:	Reverse TNC
Read Points:	4 Read Points (4 transmit points, 4 receive points)
Power Supply:	+24v DC @ 1.2 amps
Environmental	
Temperature:	IEC 60068-2-1/2/14 Operational: -4° to +122° F /-20° to +50° C @ 95% RH Storage: -4° to +158° F/-40° to +70° C @ 85% RH
Humidity:	IEC 60068-30/56 5-95% non-condensing
Vibration:	IEC 60068-2-6
Compliance	
Safety:	EMI/RF Emissions
Regulatory:	FCC Part 15C IC RSS210
Hardware/OS & F/W Mgmt.	
Memory:	Flash 64 MB; DRAM 64 MB
Operating system:	Win® CE (Version 4.2.0)
Firmware upgrade:	Web-based and remote firmware upgrade capabilities
Management Protocols:	SNMP support and future support for MSP
Frequency:	UHF band, 902-928 MHz US
Method:	Frequency Hopping Spread Spectrum (FHSS)
Power output:	4W EIRP
Tag Protocol:	EPC Gen 1 (Class 0 Read-only, Class 0 Read/Write, Class 1) and EPC Gen 2
Synchronization:	Network Time Protocol
IP addressing:	Static and dynamic
Host Interface Protocols:	XML and Byte Stream
Warranty	The XR400 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.



NOTICE: Repairs of this product may require the use of Symbol proprietary parts (and/or Symbol proprietary information). Symbol will sell these parts (and provide this proprietary information) only to end-user customers for self-service. Applicable in the U.S. For all other countries, please contact your Symbol account manager or the local Symbol Customer Service representative in your area for further details.

About Symbol Technologies -

Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture products, radio frequency identification technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs under the Symbol Enterprise Mobility Services brand. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world's leading companies. More information is available at www.symbol.com.



For Asia Pacific Area
Symbol Technologies Asia, Inc.
(Singapore Branch)
Asia Pacific Division
230 Victoria Street #12-06/10
Bugis Junction Office Tower
Singapore 188024
TEL: +1.65.6796.9600
FAX: +1.65.6796.7199

For Europe, Middle East and Africa Symbol Technologies EMEA Division Symbol Place, Winnersh Triangle Berkshire, England RG41 5TP TEL: +44.118.9457000 FAX: +44.118.9457500 For North America, Latin America and Canada Symbol Technologies The Americas One Symbol Plaza Holtsville, NY 11742-1300 TEL: +1.800.722.6234 +1.831.738.2400

FAX: +1.631.738.5990



Symbol Website

For a complete list of Symbol subsidiaries and business partners worldwide contact us at:

www.symbol.com

E-mail info@symbol.com



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