

XR440 Reader

FIXED RFID READERS

Industrial-class RFID reader delivers maximum functionality and benefits

Building on the tested and proven platform of the XR400, the XR440 Gen 2 reader from Symbol Technologies offers maximum functionality for large-scale RFID deployments. This strategic platform is designed to help enterprises achieve competitive advantage by increasing inventory visibility and process efficiency to effectively reduce costs and improve profitability. Reliable and efficient tag reading in dense RF environments reduces interference issues associated with multiple RFID readers in close proximity. The service-oriented architecture of the XR440 enables seamless integration and interoperability with your existing IT infrastructure — and maximum application flexibility. Robust RFID functionality includes support for standard back-end platforms, direct application hosting, and industrial applications that may require the ability to interact with industrial automation equipment such as ControlLogix PLCs. The XR440 also offers support for leading business systems including IBM's WebSphere® RFID Device Infrastructure (WRDI), Microsoft RFID infrastructure and SAP; leading development tools including .NET 2.0 and Java APIs; and off-the-shelf applications.

High performance and manageability

The XR440 offers the performance, features and manageability required in enterprise RFID deployments. Superior read rates and enhanced read ranges make the XR440 ideal for multiple RFID applications — from dock doors and conveyor belts to the warehouse floor or store front. The XR440 offers outstanding performance in noisy environments through a lower receive noise sensitivity floor. Easy to deploy, application specific setup enables rapid and seamless integration into your environment, further reducing implementation time and costs. Advanced data collection features — such as filtering, reconciliation, user-defined association and selective visibility — deliver refined real-time information, delivering incremental benefits throughout the enterprise. The ability to incorporate alarms, light sensors and more from other automated asset equipment enables you to leverage RFID to activate a wide range of business processes. For example, dynamic reconfiguration of build-to-order assembly lines based on products passing by the readers on a conveyor belt. And the ability to control and maintain all XR440 readers from a single central location dramatically simplifies and reduces the costs associated with day-to-day management.

Expand functionality and benefits with direct application hosting

The XR440 helps increase productivity through the ability to embed a wide array of software applications. For example, IBM's WRDI can be embedded in the XR440 to provide a secure, reliable Java platform to



FEATURES

BENEFITS

Robust platform for industrial-class EPC Gen 2 RFID implementations

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

Supports up to 4 read points

Facilitates decreased deployment complexity and increased flexibility of RFID implementations

Microsoft Windows® CE 5.0, direct application hosting, Intel XScale® processor with 64 MB RAM and 64 MB Flash

Enables 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

Open standards-based architecture

Enables seamless integration with and leveraging of 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

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 can provide sales trend analysis, providing management with the decision-making tools to optimize inventory management — and reduce inventory levels and associated costs. And the industry-standard Windows CE 5.0 operating system reduces the complexity associated with implementing and managing multiple platforms.

Services complete the solution

To help you seamlessly and successfully integrate the XR440 into your environment, Symbol offers a complete suite of services that span the entire solution lifecycle — from initial assessment, commissioning and rollout through ongoing training and support. Symbol Advanced Services help you minimize potential issues and

maximize your investment, while Symbol Customer Services ensure your XR440 continues to operate at peak performance.

For more information about the XR440, please visit us on the Web at www.symbol.com/XR440 or contact us at +1.800.722.6234 or +1.631.738.2400.

XR440 Specifications

Physical Characteristics

Dimensions:	8.75 in. L x 11.75 in. W x 2.0 in. H 22cm L x 30cm W x 5cm H
Weight:	5 lbs/2.27kg
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 (12) – DB15; USB Host – 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:	32° to +141° F/-0° to +55° C
Storage:	-4° to +158° F/-20° to +70° C
Humidity:	IEC 60068-30/56 5-95% non-condensing
Vibration:	IEC 60068-2-6
Environmental Sealing:	IP53
Compliance	
Safety:	EMI/RF Emissions
Regulatory:	Region 1, FCC Part 15 US

Hardware/OS & F/W Management

Memory:	Flash 64 MB; DRAM 64 MB
Operating system:	Win CE (Version5.0)
Firmware upgrade:	Web-based and remote firmware upgrade capabilities
Management Protocols:	SNMP support and Airbeam level 2 support
Frequency:	UHF band, 902-928 MHz US
Method:	Frequency Hopping Spread Spectrum
Power Output:	Up to 30 dBm
Air Link Protocol:	Gen2
Synchronization:	Network Time Protocol
IP addressing:	Static and dynamic
Host Interface Protocols:	XML/HTTP and Byte Stream
Recommended Services	
Customer Services:	Service from the Start Advance Exchange Support
Advanced Services:	Advanced Services for RFID

Warranty

The XR440 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.

For information of product availability in your area, please contact your local Symbol representative.

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. 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



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