


Industrial-class RFID reader delivers maximum functionality and benefits

Building on the tested and proven platform of the XR400, the XR480 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 eliminates interference issues associated with multiple RFID readers in close proximity. The standards-based XR480 enables seamless integration and interoperability with your existing IT infrastructure. Robust RFID functionality includes support for standard back-end platforms, direct application hosting, and the ability to interact with additional asset automation equipment — such as forklifts and conveyor belts. With support for the ETSI EN 302 208 standard, the XR480 is the only commercially available EPC-compliant reader in Europe based on the Windows® CE operating system and with support for up to eight read points, increasing the flexibility and reducing the complexity of RFID implementations. The XR Series readers also support IBM's WebSphere® RFID Device Infrastructure (WRDI) as an option, providing an embedded Java platform that enables robust integration with enterprise IT environments.

Next generation performance and manageability

The XR480 provides maximum flexibility in RFID deployments. Superior read rates and enhanced read ranges make the XR480 ideal for multiple RFID applications — from dock doors and conveyor belts to the warehouse floor or store front. 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 — from dynamic reconfiguration of build-to-order assembly lines based on products on the conveyor belt to real-time alerts to stop forklift drivers from placing inventory in the wrong location. And the ability to control and maintain all XR480 readers from a single central location dramatically simplifies and reduces the costs associated with day-to-day management.



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 8 read points	Facilitates decreased deployment complexity and increased flexibility of RFID implementations
Microsoft Windows® CE, direct application hosting, Intel XScale® processor with 64 MB RAM	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
EPC compliant; supports European ETSI EN 302 208 standard	For European deployments
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 forklifts, conveyor belts, portals and more
Durable construction	Maximizes uptime and reduces maintenance and repair costs

Expand functionality and benefits with direct application hosting

The XR480 increases productivity through the ability to embed a wide array of software applications. For example, IBM's WRDI can be embedded in the XR480 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 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 operating system reduces the complexity associated with implementing and managing multiple platforms.

XR480 Specifications

Physical Characteristics

Dimensions:	22cm L x 30cm W x 5cm H 8.75 in. L x 11.75 in. W x 2.0 in. H
Weight:	2.2kg/4.85 lbs
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 Type A; USB Client – USB Type B; RS232 Serial Console – DB9
RF Connectors:	8 Reverse TNC
Read Points:	Up to 8 read points in single-port mode; up to 4 read points in dual-port mode
Power Supply:	+24v DC @ 1.2 amps

Environmental

Temperature:	IEC 60068-2-1/2/14
Operational:	-10° to +60° C/14° to +140° F @ 95% RH
Storage:	-40° to +70° C/-40° to +158° F @85% RH
Humidity:	IEC 60068-30/56 5-95% non-condensing
Vibration:	IEC 60068-2-6

End-to-end lifecycle support

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 you maintain peak performance by delivering post-implementation management and support.

For more information about the XR480, please visit us on the Web at www.symbol.com/xr480 or contact us at +1.800.722.6234 or +1.631.738.2400.

Compliance

Safety:	UL60950-01
Regulatory*:	ETSI EN 302 208

Hardware/OS & F/W Management

Memory:	Flash 64 MB; DRAM 64 MB
Operating system:	Windows CE (Version 4.2.0)
Firmware upgrade:	Web-based and remote firmware upgrade capabilities
Management Protocols:	SNMP support and future support for MSP
Tag Protocol:	EPC Gen 2 (Dense Reader Mode)
Synchronization:	Network Time Protocol
IP addressing:	Static and dynamic
Host Interface Protocols:	XML and Byte Stream

Warranty

The XR480 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.

*Note: The XR480 is not available in all European countries due to the ongoing in-country approval for the regulatory standard.

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



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DS-XR480 03/06

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BARCODING, WIRELESS AND DATA COLLECTION

Our customers turn to us to help them become more productive and profitable. TPI's expertise guarantees your project will be successful: on time, on budget and meet your ROI requirements.

TPI will facilitate your entire wireless and data collection project:

- ✓ *Business analysis*
- ✓ *Project justification & ROI*
- ✓ *Wireless design, RF site survey and spectrum analysis*
- ✓ *WWAN, WLAN design & installation*
- ✓ *Custom software*
- ✓ *Integration w/legacy systems*
- ✓ *Mobile computers*
- ✓ *Data collection terminals*
- ✓ *Barcode printers, labels and scanners*
- ✓ *RFID solutions*
- ✓ *Configuration and deployment*
- ✓ *Training and installation*
- ✓ *Service and upgrades*
- ✓ *Remote device management and support*

TPI can share best practices in data collection from a number of industries including wholesale distribution, manufacturing, healthcare and retail/consumer goods. Our expertise allows you to shorten your learning curve and increase your return on investment.

Product specification sheet provided by TPI

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