

AR400

True, Multi-Protocol for Agility and Flexibility; Intelligent Networking for Unsurpassed Monitor and Control Capabilities

RFID READERS

Seamless Network Integration and Real-Time Read/Write of All EPC™-Compliant Tags

The AR400 from Symbol Technologies is a multi-protocol radio frequency identification (RFID) reader that enables you to gain asset identification and visibility at all critical designated read zones. It helps you attain improved end-to-end visibility of goods and assets and facilitates coordination of product movement across manufacturing plants, distribution centers and your entire supply chain. Designed to support all electronic product code (EPC)-compliant RFID tags, the AR400 delivers the operational flexibility and agility you need to protect your infrastructure investment.

The AR400 is an industrial-class, fixed reader that provides all of the RFID and control functions required to power and communicate with passive RFID tags. It is a high-performance reader with SNMP-managed networking capability that collects, writes, processes and communicates information from all classes of EPC RFID tags. The AR400 leverages advanced digital signal processing (DSP) to deliver superior interference management and is optimized to read tags in both clean and noisy radio environments.

Advanced Features Enhance Data Collection

The AR400 reads EPC-compliant Class 0 (read-only and read/write) and Class 1 tags with an improved typical dynamic read range of up to 25 feet. The AR400 architecture also provides best-in-class tag reads per second performance. The AR400 offers a rich feature set to further improve the collection of data that includes tag filtering, reconciliation, user-defined association and selective visibility.

Rapid Installation with Unsurpassed Control and Security

Reader installation is fast and easy with the AR400's configuration setup wizard. This ready-to-connect network element provides a number of options for connecting to corporate networks using Ethernet or serial connections. The AR400 also addresses key security concerns with privilege controls and full traceability of operator actions.

More than Just a Reader – The Critical Component of Your RFID System Portfolio

The multi-protocol AR400 RFID reader joins a complete portfolio of Symbol enterprise mobility solutions that enable organizations to capture, move and manage critical information to and from every point of business activity. Designed for industrial use, the AR400 provides advanced data capture to read, write, process and communicate information from all EPC-compliant passive RFID tags.

For more information, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at www.symbol.com/rfid.



FEATURES

Multi-protocol RFID reader

Read/write capabilities

Enhanced network features

Internal network (SNMP) remote and web management

EPC Generation 2 Upgradable

BENEFITS

Supports all EPC-compliant passive RFID tags to protect your investment

Allows dynamic data updates for broader application support and provides flexibility in tag usage

Offer seamless integration for rapid deployments

Enhances monitoring, control and service

Protects customers' investment in RFID infrastructure

Services for a More Successful Mobility Solution

Symbol offers a full suite of services, including complete analysis, design, installation, training and ongoing support for the seamless deployment, management and continued support of your RFID solution.

AR400 Specification Highlights

Physical Characteristics

Dimensions:	8.75 in. H x 11.75 in. W x 2 in. D (22.2 cm H x 29.8 cm W x 5.1 cm D)
Weight:	~6 pounds (2.7 Kg)
Base Material(s):	Aluminum, Silver; Die-cast
Visual Status Indicators:	LEDs for Power (Green), Activity (Yellow) and Error (Red)

Connectivity

Network:	RS422/485, RJ45 10/100 BaseT Ethernet, RJ45 RS232 console (management), DB9 Control I/O Port (12 – 6 input, 6 output) (user programmable), DB15
RF Connectors:	1.0/2.3 DIN Jack
Read Points (Channels):	4 (4 transmit and 4 receive) 2 or more can be combined into one logical read point
Power Supply:	+24vDC @ 1.2 amps

User Environment

Environmental Sealing:	IEC 529 IP54
Temperature:	IEC 60068-2-1/2/14 Operational: 0° to +55° C (+32° to +131° F) Storage: -20° to +70° C (-4° to +158° F)
Humidity:	IEC 60068-30/56 5-95% Non-condensing
Vibration:	IEC 60068-2-6

Compliance

Safety:	EMI/RF emissions
Regulatory:	Region 1, FCC Part 15

Operational Features

Frequency:	UHF band, 902-928 MHz
Method:	Frequency hopping spread spectrum (FHSS)
Power Output:	Up to 30 dBm (only 1 Watt Part 15)
Air Link Protocol:	EPCglobal: Class 0, Class 1, Gen 2 Upgradable
Tag Communication:	Interleaved
Tag Buffering:	Local
Synchronization:	Network Time Protocol
IP Addressing:	Static and dynamic
Host Interface Protocols:	XML and Byte Stream

Network Management

Protocol:	SNMP
Configuration:	Via setup wizard
Event Management:	Auto reported events User-controlled thresholds, damping and filtering
Administrative Management:	Security/privilege controls, change traceability
Tag Management:	ID-based selection ability User-defined association to tag IDs Taglist management features for reconciliation and visibility

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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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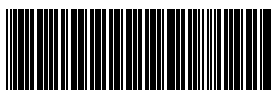
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