

FX7400 RFID Reader

SPECIFICATION SHEET



FEATURES

Highly integrated features, including PoE, GPIO and management software

Provides a low cost per read point — and a superior TCO

2-port and 4-port reader configurations

Provides application flexibility and optimal investment

Open standards-based architecture:

- EPC standards-based defined reader management
- Auto-discovery
- Flexible firmware upgrade features
- Showcase II configuration and management tool

Enables seamless integration with existing IT environments as well as remote and centralized management, while simplifying and reducing the cost of set-up, deployment, testing and management

New RFID reader offers business-class functionality, compact size and a new sleek design

The Motorola FX7400 RFID Reader sets a new standard in design for indoor customer-facing and carpeted environments, packing best-in-class RFID features into a small and attractive form factor that is less than half the size of a typical fixed industrial RFID reader. The low profile combines with an impressive array of integrated features and functionality to enable highly cost-effective RFID solutions for business class applications such as item-level inventory management, IT asset management, and more. The standards-based device integrates easily into your existing technology environment and delivers superior performance as well as simplified management. The flexibility to support your needs now and in the future combines with a low cost per read point to provide superior value — investment protection and a low total cost of ownership (TCO).

With the FX7400, Motorola now offers a more robust portfolio with the XR series of RFID readers serving industrial environments, and the FX series of RFID readers serving business class environments.

Easy to use, deploy and manage

The FX7400 is easy to mount — the reader simply snaps into the supplied bracket. ShowCase II, a new remote configuration and management tool, greatly simplifies deployment. An auto discovery function helps detect devices once they are plugged into the

network; pre-defined configuration files simplify setup for various applications and environments and a testing tool allows you to ensure that your FX7400 readers are up, running and ready to put into operation. Integrated Power over Ethernet (PoE) eliminates the need to run power to the FX7400 — ideal in the large open common areas in retail storefronts. LLRP (low level reader protocol) support enables seamless integration and interoperability with your existing IT infrastructure, including wireless LANs and standard middleware, such as IBM WebSphere and Microsoft BizTalk. The ability to host third party applications not only simplifies application deployment, but also enables customization of applications to best meet business needs today and tomorrow.

Rapid Return on Investment (ROI) and a Low TCO

The FX7400 provides big business benefits by providing effortless real-time accurate inventory visibility — and a superior TCO. A choice of either two or four monostatic ports allows you to purchase only what you need, optimizing capital costs. The integrated optically isolated General Purpose Input/Output (GPIO) interface eliminates the need to purchase, install and manage additional hardware. A flexible radio architectures minimizes the complexity of multinational deployments and simplifies the technology solution architecture in distributed environments. Integrated PoE support provides a substantial cost savings up to \$1000 per electrical drop. And centralized remote management tools significantly reduce IT management time and cost.

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Next generation reader platform, including dense reader mode support

Best-in-class read rates deliver superior read performance

Microsoft Windows® CE 5.0 direct application hosting; 64 MB RAM/ 64 MB Flash

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

EPC Global LLRP interface support; comprehensive API support—.NET, C, JAVA
Simplifies application development

End-to-end lifecycle support

Motorola's full suite of services offers 'from the manufacturer' expertise throughout the entire lifecycle of your solution — from assessment, commissioning and rollout to ongoing training and day-to-day support. Motorola's RFID Advanced Services provides the assistance you need to architect your solution for your business, processes and environment, ensuring that your pilot or full-scale rollout is designed to deliver peak performance — and maximum benefits. Post deployment, Motorola's Customer Services

provide the everyday support you need to keep your RFID solution up and running at peak performance levels, with options that include 24x7 on site coverage and preventive maintenance visits.

For more information about the Motorola FX7400 RFID Reader, please visit us on the web at www.motorola.com/FX7400 or access our global contact directory at www.motorola.com/enterprisemobility/contactus

FX7400 Specifications

Physical Characteristics

Dimensions:	7.7 in. L x 5.9 in. W x 1.7 in. D 19.56 cm L x 14.99 cm W x 4.32 cm D
Weight:	1.8 lbs ± 0.1 lbs/0.82 kg ± 0.05 kg
Housing Material:	Die-cast aluminum, sheet metal and plastic
Visual Status Indicators:	Multicolor LEDs: Power, Activity, Status and Applications
Communications:	10/100 BaseT Ethernet (RJ45) w/ POE support USB Client (USB Type B)
General Purpose I/O:	2 inputs, 2 outputs, optically isolated (Terminal Block)
Power Supply:	+24Vdc or POE (IEEE 802.3af)
Antenna Ports:	FX 7400-4: 4 mono-static ports (Reverse Polarity TNC) FX 7400-2: 2 mono-static ports (Reverse Polarity TNC)

Environmental

Operating Temperature:	14° to +122° F/-10° to +50° C
Storage Temperature:	-40° to +158° F/-40° to +70° C
Humidity:	5-85% non-condensing

Regulatory Compliance

Safety:	UL 60950-01, UL 2043, IEC 60950-1, EN 60950-1
RF/EMI/EMC:	FCC Part 15, RSS 210, EN 302 208, ICES-003 Class B, EN 301 489-1/3
SAR/MPE:	FCC 47CFR2:OET Bulletin 65; EN 50364
Other:	ROHS, WEEE

Hardware/OS & F/W Management

Memory:	Flash 64 MB; DRAM 64 MB
Operating System:	Microsoft Windows CE 5.0
Firmware Upgrade:	Web-based and remote firmware upgrade capabilities
Management Protocols:	RM 1.0.1 (with XML over HTTP/HTTPS and SNMP binding); AirBEAM firmware upgrade (Level 2 support)
Network Services:	DHCP, HTTPS, FTPS, SSH, HTTP, FTP, Telnet, SNMP and NTP
Air Protocols:	ISO 18000-6C (EPC Class 1 Gen 2)
Frequency (UHF Band):	Global Reader: 902 MHz-928 Mhz, 865 MHz-868 MHz US (only) Reader: 902 MHz to 928 MHz
Power Output:	+15dBm to +30dBm
IP addressing:	Static and Dynamic
Host Interface Protocol:	LLRP
API Support:	.NET and C
Warranty:	The FX7400-4 and FX7400-2 are 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.
Recommended Services	
Customer Services:	Service from the Start Advance Exchange Support
Advanced Services:	RFID Advanced Services