MOTOROLA FX7400

FIXED RFID READER FOR CUSTOMER-FACING ENVIRONMENTS

BUSINESS-CLASS FUNCTIONALITY IN A COMPACT, 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 sleek, attractive form factor that is less than half the size of a typical fixed industrial RFID reader. With a low profile and impressive array of integrated features and functionality, the FX7400 makes RFID cost-effective for business class applications such as item-level inventory management, IT asset management and more. This standards-based device integrates easily into your existing technology environment, delivering superior performance and simplified management. Flexible enough to support your business needs today and in the future, the RFID reader offers outstanding value with a low cost per read point, investment protection and superior total cost of ownership (TCO). And the FX7400 expands our RFID fixed reader portfolio to serve both business-class and industrial environments.

EASY TO USE, DEPLOY AND MANAGE

The FX7400 is easy to mount and manage. The reader simply snaps into the supplied bracket. Deployment is automated with ShowCase II, Motorola's new remote configuration and management tool. 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 lets you verify that your FX7400 readers are up, running and ready to put into operation. No outlet nearby? No problem. Integrated Power over Ethernet (PoE) gives businesses the freedom to place the FX7400 wherever it is needed most, without the hassle or cost associated with installing power outlets — ideal for the large open common areas in retail storefronts. LLRP (low level reader protocol) support delivers seamless integration with your existing IT infrastructure, including wireless LANs and standard middleware, such as IBM WebSphere and Microsoft BizTalk. And the ability to host third party applications further simplifies application deployment, allowing you to easily customize applications to meet your business needs today and tomorrow.

A SMART INVESTMENT WITH A LOW TOTAL COST OF OWNERSHIP (TCO)

With the FX7400, you get big business benefits — effortless real-time accurate inventory visibility and a superior TCO. A choice of either two or four monostatic ports lets you purchase only what you need, no more no less. With the integrated optically isolated General Purpose Input/Output (GPIO) interface, there's no need to purchase, install and manage additional hardware.

FEATURES

Highly integrated features, including PoE, GPIO and management software
Provides a low cost per read point — and a low TCO

2-port and 4-port reader configurations
Increases application flexibility and optimizes capital investments

Open standards-based architecture:

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

Seamlessly integrates with existing IT environments; enables remote and centralized management; simplifies and reduces the cost of set-up, deployment, testing and management

A flexible radio architecture minimizes the complexity of multinational deployments and simplifies the technology architecture in distributed environments. Integrated PoE support provides a substantial cost savings — up to $1000 per electrical drop. And our centralized remote management tools significantly reduce IT management time and cost.

END-TO-END LIFECYCLE SUPPORT

No matter what help you might need, we have you covered. Our 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. Our RFID Advanced Services provide 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. And post deployment, Motorola's Customer Services provide the everyday support you need to keep your RFID solution up and running day in and day out, with options that include 24x7 on site coverage and preventive maintenance visits.

For more information on how the FX7400 RFID Reader can benefit your business, please visit us on the web at www.motorola.com/FX7400 or access our global contact directory at www.motorola.com/enterprisemobility/contactus

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 for fast application deployment; supports upgrading to meet future requirements; maximizes product lifespan; provides outstanding investment protection

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

SPECIFICATIONS CHART

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
Mounting	Keyhole and standard VESA (75mm x 75mm)
CONNECTIVITY	
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 Temp.	-4° to +131° F/-20° to +55° C
Storage Temp.	-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 AND FIRMWARE 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

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