

MP9320 v2.8

EPC Gen 2 RFID READER

Multi-Protocol

- EPC Gen 2
- ISO 18000-6A, 6B
- UCode 1.19
- Class 1
- Class 0, 0+

Multi-Regional

- MP9320 v2.8 (FCC)
- MP9320 v2.8e (ETSI)

Highest rated reader flexibility and configurability

New user-friendly RAPID API and RF Command Suite



EPC Gen 2 Ready

The MP9320 v2.8 reader extends its acclaimed multi-protocol capability by adding support for EPC Gen 2 tags. The full complement of mandatory and optional Gen 2 features is provided, making it fully interoperable with mixed populations of Gen 2 and legacy UHF tags.

Robust RFID Network Performance

The DSP-based software-defined architecture of the MP9320 v2.8 reader offers a number of feature and performance enhancements designed for high performance RFID network operation including:

- Support for mixed RFID tag protocol operation including EPC Gen 2, Class 1, 0, 0+, ISO 18000-6A, 6B, and UCode 1.19 tags;
- Regulatory compliance for use in multi-regional regulatory markets (MP9320 v2.8 for North America, v2.8e for European and Asian markets);
- Configurable read/write power settings on each of its four antenna ports makes the MP9320 v2.8 reader well suited for loading dock portals, conveyors, tagging stations, and other UHF RFID applications.

Easy-to-Use, Easy-to-Integrate

The Microsoft Windows™-based RF Command Suite (RFCS) program makes it easier than ever to configure the reader for each application.

RAPID (RFID Applications Programming Interface for Developers) is a new API that simplifies enterprise application integration of SAMSYS RFID readers using familiar Java and Microsoft .NET programming environments.

A full complement of network connections are provided including serial RS-232, RS-485, and 10/100 Mbps Ethernet.

And the MP9320 v2.8 is software upgradable to ensure it always stays current with the latest feature offerings.

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MP9320 v2.8 FEATURES

DESCRIPTION

EPC Gen 2 ready	Provides Gen 2 operational feature set including all mandatory and optional commands for reading and writing to Gen 2 tags
Multi-protocol operation	Supports multiple tag protocols concurrently (Gen 2, Class 1, 0, 0+, ISO18000-6A, 6B, UCode 1.19 - simultaneously or individually)
DSP-based software architecture	Enhanced system performance, improved read and write speeds
Four (4) TX/RX antenna ports with individually adjustable power settings and sensitivity	Well suited for loading dock portal and conveyor applications
Multi-regional regulatory compliance:	Compliant with North American (FCC) regulatory requirements (MP9320 v2.8e for European and Asian compliance)
Full network connectivity	RS-232, RS-485, 10/100 Mbps Ethernet connections
Four (4) digital input / four (4) digital output lines	Integrated ability to sense external triggers and control actuators enhances performance in multi-reader environments
Unique label applicator features	Gated tag operation, write/verify, dynamic power boost features for high speed label applicators
RF Command Suite	Easy to set up using MS Windows-based configurator
RAPID API	New API makes enterprise applications integration capability easy using Java and Microsoft .NET development platforms
Firmware upgradeable	Keeps the reader current with latest firmware updates

The MP9320 v2.8 reader is supported by the SAMSYS[®] TruBlue Gen 2 assurance of interoperability between EPC Global, ISO and other popular UHF RFID tags.

About SAMSYS

SAMSYS[®] Technologies, Inc. is a world-leading provider of RFID reader solutions designed to simplify the installation and ensure the robust performance of the overall RFID infrastructure.

SPECIFICATIONS

Frequency	902-928 MHz
RF Power	4W EIRP
Antenna	Four SMA connectors
Electrical Power	15 Vdc, 3A
Power Supply	110-240 VAC Input
Communication Ports	RS-232, RS-485, 10/100 Mbps Ethernet
Digital Input/Output	Four digital input lines, four digital output lines
Case Material	Aluminum
Dimensions	5 in x 7 in x 9.5 in (127 mm x 178 mm x 241 mm)
Weight	(4 lbs.) 1.8 kg
Operating Temperature	-4° F to 104° F (-20° C to 40° C)
Operating Humidity	5-95% relative, noncondensing
Storage Temperature	-40° F to 185° F (-40° C to 85° C)
Mounting	Horizontal or vertical orientation
Regulatory Compliance	FCC Part 15



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