

## MP9320 v2.8e

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 v2.8e-1 (ETSI EN300 220)
- MP9320 v2.8e-2 (ETSI EN 302 208)

### Highest rated reader flexibility and configurability

### New user-friendly RAPID API and RF Command Suite



### EPC Gen 2 Ready

The MP9320 v2.8e 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 v2.8e 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, ISO 18000-6A, 6B, UCode 1.19 and Class 1, 0, 0+ tags;
- Configurable read/write power settings on each of its four multistatic TX/RX antenna ports makes the MP9320 v2.8e reader well suited for loading dock portals, conveyors, tagging stations, and other UHF RFID applications;
- A dedicated fifth LBT (Listen Before Talk) antenna improves performance in ETSI EN302 208 regulatory environments.

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

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## MP9320 v2.8e FEATURES

## DESCRIPTION

<b>EPC Gen 2 ready</b>	Provides Gen 2 operational feature set including all mandatory and optional commands for reading and writing to Gen 2 tags
<b>Multi-protocol operation</b>	Supports multiple tag protocols concurrently (Gen 2, Class 1, 0, 0+, ISO18000-6A, 6B, UCode 1.19 - simultaneously or individually)
<b>DSP-based software architecture</b>	Enhanced system performance, improved read and write speeds
<b>Four (4) multistatic TX/RX antenna ports with individually adjustable power settings and sensitivity</b>	Well suited for loading dock portal and conveyor applications
<b>Multi-regional regulatory compliance:</b> MP9320 v2.8e-1: ETSI EN300 220 MP9320 v2.8e-2: ETSI EN302 208	Dedicated fifth LBT (Listen Before Talk) antenna for improved performance in ETSI EN302 208 regulatory environments
<b>Full network connectivity</b>	RS-232, RS-485, 10/100 Mbps Ethernet connections
<b>Four (4) digital input / four (4) digital output lines</b>	Integrated ability to sense external triggers and control actuators enhances performance in multi-reader environments
<b>Unique label applicator features</b>	New gated tag operation, write/verify, dynamic power boost features for high speed label applicators
<b>RF Command Suite</b>	Easy to set up using MS Windows-based configurator
<b>RAPID API</b>	New API makes enterprise applications integration capability easy using Java and Microsoft .NET development platforms
<b>Firmware upgradeable</b>	Keeps the reader current with latest firmware updates

The MP9320 v2.8e 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

<b>Frequency</b> (MP9320 v2.8e-1): (MP9320 v2.8e-2):	869.525 MHz (ETSI EN300 220) 865-868 MHz (ETSI EN302 208)
<b>RF Power</b>	2W ERP
<b>Antenna</b>	Four SMA connectors
<b>Electrical Power</b>	15 Vdc, 3A
<b>Power Supply</b>	110-240 VAC Input
<b>Communication Ports</b>	RS-232, RS-485, 10/100 Mbps Ethernet
<b>Digital Input/Output</b>	Four digital input lines, four digital output lines
<b>Case Material</b>	Aluminum
<b>Dimensions</b>	127 mm x 178 mm x 241 mm (5 in x 7 in x 9.5 in)
<b>Weight</b>	1.8 kg (4 lbs. )
<b>Operating Temperature</b>	-20° C to 70° C (-4° F to 158° F)
<b>Operating Humidity</b>	5-95% relative, noncondensing
<b>Storage Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Mounting</b>	Horizontal or vertical orientation
<b>Regulatory Compliance</b>	ETSI EN300 220, EN302 208, EN301 489, EN50364, EN60950



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