

Multi-Regional Regulatory Compliance:

- North America
- Europe
- Asia

EPC GEN 2 Ready

Robust DSP-based Performance

Multi-Protocol:

- EPC Class 0
- EPC Class 0+
- EPC Class 1
- EPC Class 1 Gen 2
(with firmware upgrade)
- ISO 18000-6A
- ISO 18000-6B
- UCODE EPC 1.19
- EM4022
- EM4222
- EM4223
- Intellitag™

877.367.4342
(toll free)

919.281.1541

www.samsys.com



MP9320

v2.8 EPC UHF RFID READER

The MP9320 v2.8 reader is the latest member of the SAMSys family of multi-protocol, multi-regional, UHF RFID readers to offer built-in tag reading capability that conforms to the new EPC Generation Two (Gen 2) standard.

Utilizing a new DSP-based architecture, the MP9320 v2.8 reader is Gen 2 “ready” and supports the full array of currently available UHF protocols in the same reader. This allows you to select from multiple RFID tag supply sources and to migrate to the new Gen 2 tag standard.

The SAMSys MP9320 v2.8 reader offers a number of feature, performance, and configurability enhancements over its predecessor, the MP9320 v2.7 including:

- Support for all protocols in one reader
- Improved read/write speed, performance, and robustness
- Improved performance in support of European ETSI 302 208 regulatory requirements
- Link speeds up to 320 Kbps

- Label Applicator feature enhancements such as gated read/write operation, dynamic power boost, configurable retries, and read verify delay
- Regulatory conformity for use in many Asian markets
- Enhanced Microsoft Windows™-based RF Command Suite configuration program

The MP9320 v2.8 reader can be performance enhanced through firmware upgrades. The Gen 2 firmware update supports a Gen 2 feature set including all mandatory and optional Gen 2 command sets for managing tags.

Available in FCC (U.S.), ETSI (Europe), and Asian regulatory compliant configurations, the MP9320 v2.8 EPC UHF reader is well suited to provide for worldwide regulatory conformity.



Features	Benefits
Multi-protocol technology	<ul style="list-style-type: none"> Supports all tag protocols in one (simultaneously or individually) Gen 2 ready: Provides Gen 2 operational feature set with firmware upgrade
Multi-regional regulatory compliance	<ul style="list-style-type: none"> Compliant with North American (FCC), European Union (ETSI) and Asian regulatory requirements
Four (4) antenna ports	<ul style="list-style-type: none"> Ideally suited for loading dock portal and conveyor applications
DSP-based architecture	<ul style="list-style-type: none"> Enhanced system performance, read and write speeds
Multiple network connectivity options: RS-232, RS-485, 10BaseT 10/100 Mbps Ethernet	<ul style="list-style-type: none"> Enterprise integration capability
Adjustable power and reader sensitivity	<ul style="list-style-type: none"> Ability to optimize each installation configuration
Four (4) digital input and four (4) digital output lines	<ul style="list-style-type: none"> Integrated ability to sense external triggers and control actuators
Unique label applicator features	<ul style="list-style-type: none"> Full support of label applicators
RF Command Suite Configurator	<ul style="list-style-type: none"> Easy to install and configure
Firmware upgradeable	<ul style="list-style-type: none"> Ability to remotely update reader software

With its configurable read range and four antenna ports, the MP9320 v2.8 EPC UHF reader is ideal for loading dock portals, conveyor applications, label applicators, and other UHF applications. A full complement of network connections are provided including serial RS-232, RS-485, and 10/100 Mbps fast Ethernet.

The MP9320 v2.8 reader is further evidence of the SAMSys True Blue Gen 2 assurance of full interoperability between EPC Global, ISO and proprietary UHF RFID tags. An upgrade kit including the new DSP board is available for converting the earlier MP9320 v2.7 model to the v2.8.

About SAMSys

SAMSys Technologies, Inc. is a world-leading provider of RFID reader hardware solutions in the LF, HF, and UHF segments of the RFID market-place. SAMSys continues to expand its family of EPC reader products designed to simplify the installation and ensure the robust performance of your overall RFID infrastructure.

Contact Us

Contact us for more information about the MP9320 v2.8 EPC UHD RFID Reader or other SAMSys products, contact a SAMSys representative at:

SAMSys Technologies, Inc.
2525 Meridian Parkway, Suite 60
Durham NC, 27713 USA
Phone: 919-281-1541 / Toll free: 877-367-4342
Fax: 919-281-1551

E-mail: samsys@samsys.com / Web: www.samsys.com

SPECIFICATIONS	
Frequency	902-928 MHz (100 KHz steps) 869.525 MHz 865-868 MHz (200 KHz steps)
RF Power	4W EIRP (FCC) 500 mW/2W ERP (ETSI)
Antenna	(4) SMA connectors
Electrical power	15 Vdc, 3A
Power Supply	110-240 VAC Input
Communication Ports	RS-232, RS-485, 10 Base-T Ethernet 10/100 MBPS
Digital Input/Output	(4) Digital input lines (optically isolated) (4) Digital output lines (open collector, 5V, 40 mA sink)
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 158° F (-20° C to 70° 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, CE ETSI (EN300 220, EN 302 208, EN301 489, EN50346, EN60950) Asia: Australia, China (pending), Japan (pend- ing), S. Korea, New Zealand, Singapore

Specifications subject to change without notice. SAMSys is a trademark of SAMSys, Inc. or its subsidiaries in the United States and Other countries.

© Copyright 2005 SAMSys, Inc. All rights reserved.