

Medio™ RXU400 UHF RFID Reader



TAGSYS' Medio™ RXU400 is a state-of-the-art ultra high frequency (UHF) RFID reader, featuring a single platform designed to support a variety of applications where UHF RFID technology is required.

EXCEPTIONAL PERFORMANCE

With support for Gen 2 Dense Reader Mode for maximum performance in a standards-based platform, the Medio RXU400 is ready for the most challenging environments and applications. Advanced capabilities such as adaptive noise algorithms for real-time optimization of the RF interface ensure robust performance in a wide range of deployment scenarios. TAGSYS' Medio RXU400 also supports multiple RFID regulation, including the US and EU, simplifying global deployments and lowering total cost of ownership (TCO).

ROBUST APPLICATION PLATFORM

As an application hosting platform, TAGSYS' Medio RXU400 supports middleware and custom application solutions built for edge devices, thereby improving network and system performance. A Java-based application framework extends reader capabilities, particularly with complex enterprise requirements, thereby ensuring a seamless fit into the overall business operations framework.

LOWER TOTAL COST OF OWNERSHIP

A rich array of diagnostic and statistical reporting tools, user-configurable alarms and a host of management features based on industry standard protocols facilitate improved integration into existing network management infrastructure. Combined with TAGSYS' *econnectware™* software grid, the Medio RXU400 complements its superior RFID performance with a comprehensive application layer for monitoring, control and data optimization.

TAGSYS designs and manufactures a comprehensive multi-band RFID infrastructure for item-level tracking in a variety of industries. This universal infrastructure includes purpose-built readers and tags, as well as RFID management software, all designed to work together seamlessly in the most demanding environments. TAGSYS products automate labor-intensive processes, authenticates and safeguards goods, and enables real-time inventory and asset visibility.

With a proven track record of delivering reliable, high performance production systems, TAGSYS has deployed over 200 million tags and 90,000 reader systems to over 500 customers in more than 40 countries.

TAGSYS RFID solutions are currently deployed in a range of highly specialized vertical markets that include: Libraries, Textile Services, Pharmaceutical, and Fashion/Apparel.

The company is headquartered in Massachusetts with offices and R&D Centers in France and in Hong Kong.



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FEATURES

- Designed for challenging environments and applications
- Advanced capabilities such as adaptive noise algorithms for real-time optimization of the RF interface ensure robust performance in a wide range of deployment scenarios.
- Supports multiple RFID regulation, including the US and EU, simplifying global deployments and lowering ownership costs.

PRODUCT SPECIFICATIONS

Operating Frequency	860-960 MHz
Chip Compatibility	Class 1 Generation 2 & ISO-18000-6C (including full support for mandatory and optional features), ISO 18000-6B, Ucode 1.19
RF Output Power	1W
RF Power	+30 dBm, conducted (FCC)
Communication Interface	• 10/100 Ethernet Port • Serial Port
Operating Modes	Single, multiple and dense reader modes
Antenna Connection	4 RP-TNC connections (reverse polarity), fifth RP-TNC for LBT
General Purpose Input/Output (IO)	Inputs: 4 optically coupled inputs, 25 V max controllable input reference Outputs: 4 open collector outputs, 3-40 V, 100mA max, 1W max

Mechanical

Dimensions	22 x 30 x 5.6 cm (8.6 x 11.8 x 2.2 in)
Weight	3 Kg (6.6 lbs)
Operating Temperature	20° to 60° C (-7° to 140° F)
Relative Humidity	5 to 95% non-condensing

Software

Firmware	Upgradeable
Firmware Configurations	Custom edge applications can be hosted on the reader

CERTIFICATIONS

- FCC Part 15 - CE compliant
 - IC RSS-210
 - EN 300 220-3 V1.1
 - EN 301 489-1 V1.4.1
 - EN 301 489-3 V14.1
 - EN 302 208-2 V1.1.1
 - EN 50364:2001
 - EN 60950-1:2001
 - EN 55022 (Class A)
 - EN 55024
 - EN 61000-(3-2, 3-3)
 - EN 61000-(4-2, 4-3, 4-4, 4-6)
- As well as many other country standards through firmware updates

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TAGSYS RFID™
e-connecting goods

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