

## Medio™ P101 Mid-Range HF RFID Readers



TAGSYS' Medio™ P101 family of HF readers are small, powerful and low cost RFID readers designed for mid-range reading applications in a variety of industries. Remotely upgradeable, the Medio P101 readers enable users to change tag protocols without having to change their hardware.

### HIGH PERFORMANCE/LOW COST OF OWNERSHIP

The Medio P101 family of readers is a low cost of ownership RFID solution that is ideal for applications requiring a single antenna. The rugged design provides long-lasting performance in harsh environments, and the remote upgradability feature offers an efficient method for maintaining an RFID infrastructure without leveraging valuable resources. High performance features such as dual operating modes and 1W power output make the Medio P101 an effective RFID solution in a multitude of applications and settings ranging from manufacturing to library checkout stations.

### COMMUNICATION OPTIONS

Available in both USB/Ethernet and USB/Wi-Fi versions, the Medio P101 offers alternative communication options to suit a variety of needs in a range of applications.

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.



# Medio™ P101 Mid-Range HF RFID Readers

## DESCRIPTION

- Robust performance for demanding applications within:
  - High speed environments
  - Multi-tag/multi-protocol
- High power output for long-range performance

## FEATURES

- High performing mid-range RFID reader
  - 1 W RF output power
  - Multi-chip protocol
  - Remotely upgradeable
- Small size, easily integrated
- USB & Ethernet or USB & Wi-Fi communication interfaces

## PRODUCT SPECIFICATIONS

<b>Operating Frequency</b>	13.56 MHz
<b>Chip Compatibility</b>	<ul style="list-style-type: none"><li>• Textile Services: C210, C240, C270 (I.Code), C370 (ISO 15693)</li><li>• Libraries: C220, C320, C370, (ISO 15693)</li><li>• Logistics: C270 (I.Code), C370 (ISO 15693), I.Code EPC, I.Code UID</li></ul>
<b>RF Channels</b>	1
<b>RF Output Power</b>	1W
<b>Communication Interface</b>	USB and Ethernet (Raw TCP) USB and Wi-Fi (Raw TCP)
<b>Operating Modes:</b>	
• Standalone mode	ASCII Protocol, user configurable
• Standard mode	TAGSYS STX-E Serial Communication Protocol
<b>Antenna Connection</b>	SMA / SMA/BNC adaptor (Recommended antenna is TAGSYS Aero I)
<b>General Purpose Input/Output (IO)</b>	1 input and 1 output
<b>Power Supply</b>	12 VDC nominal

## Mechanical

<b>Casing</b>	Plastic ABS UL 94 HB
<b>Dimensions</b>	194 x 115 x 46 mm (7.6 x 4.5 x 1.8 in)
<b>Weight</b>	250g (8.81 oz)
<b>Operating Temperature</b>	0° to 55° C (32° to 131° F)

## Software

<b>Configuration Tool</b>	Px Explorer
<b>Communications Protocol</b>	TAGSYS STX-E
<b>SDK</b>	<ul style="list-style-type: none"><li>• TAGSYS STX DLLs</li><li>• Java Package</li></ul>

## CERTIFICATIONS

- FCC Part 15
- EN ETSI 300 330 (EM emission)
- EN ETSI 301 489 (EM immunity)
- EN 50364 (human exposure)

**TAGSYS RFID Group, Inc.**  
15 Third Avenue  
Burlington, MA 01803 • USA  
Phone: (+1) 617.674.5500

**TAGSYS USA, Inc.**  
2005 South Easton Road • Suite 207  
Doylestown, PA 18901 • USA  
Phone: (+1) 267.882.4800

**TAGSYS Europe**  
180 Chemin de Saint Lambert  
13821 La Penne sur Huveaune • France  
Phone: (+33) 4.91.27.57.00

**TAGSYS Asia Ltd.**  
Shun Ho Tower  
24-30 Ice House Street • Office 14B  
Central Hong Kong  
Phone: +852 2526 8303

[www.tagsysrfid.com](http://www.tagsysrfid.com)

Copyright © TAGSYS 2008 – This document and the information it contains are the exclusive property of TAGSYS. All Rights Reserved. Any unauthorized reproduction is strictly prohibited. All referenced trademarks are the property of their respective owners.

**TAGSYS RFID™**  
e-connecting goods

T-M-MedioP101-Datasheet-Sep08