

Medio™ TR-P101 Mid-Range HF RFID Reader



TAGSYS' Medio™ TR-P101 reader is a low cost, multi-protocol, mid-range HF RFID reader designed specifically for use in textile service companies. Its small size and affordable price provides an affordable RFID infrastructure solution to identify garments in textile service operations.

The TR-P101 can operate in either standard or standalone mode, and offers low-cost networking capabilities using either a USB/Ethernet or a USB/WiFi interface. When operating in standalone mode, the industrial I/O port can be used to trigger and display successful reading.

HIGH PERFORMANCE/LOW COST OF OWNERSHIP

The Medio TR-P101 reader 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 TR-P101 an effective RFID solution for textile service 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™ TR-P101 Mid-Range HF RFID Reader

DESCRIPTION

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

FEATURES

- High performing mid-range RFID reader designed for textile service environments
 - Multi-chip protocol
- Small size, easily integrated
- RS232/RS485 communication interface

PRODUCT SPECIFICATIONS

Operating Frequency	13.56 MHz
Chip Compatibility	C210, C240, C270, C370 (ISO 15693)
RF Channels	1
RF Output Power	1W
Communication Interface	RS232/RS422/RS485
Operating Modes:	
• Standalone mode	ASCII Protocol, User Configurable
• Standard mode	TAGSYS STX-E Serial Communication Protocol
Antenna Connection	SMA/SMA/BNC adaptor
General Purpose Input/Output (IO)	1 input and 1 output
Power Supply	12 VDC nominal

Mechanical

Casing	Plastic ABS UL 94 HB
Dimensions	194 x 115 x 46 mm (7.6 x 4.5 x 1.8 in)
Weight	250g (8.82 oz)
Operating Temperature	0° to 55° C (32° to 131° F)

Software

Configuration Tool	Px Explorer
Communications Protocol	TAGSYS STX-E
SDK	TAGSYS STX DLLs

CERTIFICATIONS

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

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

www.tagsysrfid.com

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

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T-M-TR-P101-Datasheet-Sep08