

## Medio L400 Long Range Reader



The TAGSYS Medio L400 Long Range Reader is the industry's first self-diagnostic and self-correcting intelligent RFID reader.

### INTELLIGENT INFRASTRUCTURE FOR RFID NETWORKS

With breakthrough sensor technology and self diagnostic capability, the L400 is the industry's first self-correcting intelligent RFID reader. The L400 can be remotely managed and administered to ensure you get the highest levels of performance from your RFID infrastructure. The L400 and *e-connectware*, TAGSYS' comprehensive set of management and administrative tools, create an intelligent platform to allow you to manage your RFID infrastructure just as you do a voice or data network to enable scalable, secure and persistent RFID Quality of Service.

### BREAKTHROUGH PERFORMANCE

The L400 uses advances in Digital Signal Processing (DSP) and RF Front End technology to achieve breakthrough performance in read range and read speed with industry leading signal to noise ratio. The L400 has been specifically designed to operate in noisy environments such as manufacturing plants and distribution facilities while maintaining the highest levels of data integrity for item level track and trace, inventory management and security. Designed as a network device, the L400 conserves critical network bandwidth by filtering tag data to remove redundancies before transmitting to enterprise systems.

### FULLY UPGRADABLE

The L400 has been designed with your future in mind. Purchase an L400 reader today and, with a simple, free firmware upgrade, you can migrate to the impending ePC HF Gen2 technology when available. The L400 will simultaneously support ICODE 1, ISO 15693, ICODE UID and the ePC HF Gen2 protocols making it 100% compatible with current and future HF tag standards and a secure investment.

TAGSYS develops comprehensive multi-band RFID infrastructure for item-level tracking. This universal infrastructure includes purpose-built readers and tags, as well as RFID management software, all designed to work together seamlessly, at the highest performance levels, in the most demanding environments.

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

More information on TAGSYS can be found at [www.tagsysrfid.com](http://www.tagsysrfid.com).



## PRODUCT SPECIFICATIONS

### ELECTRICAL

#### **OPERATING FREQUENCY:**

13.56 MHz

#### **PROTOCOLS SUPPORTED:**

NXP ICODE 1 (C270)

ISO 15693/ISO 18000-3 Mode 1

(including custom commands for SLI, SLI-S, SLI-L)

NXP ICODE ePC & UID-OTP (C440)

Firmware upgradable to ePC HF Gen2

#### **RF CHANNELS:**

2 (L400-2) or 4 (L400-4)

#### **RF OUTPUT POWER:**

Variable (up to 5W)

#### **COMMUNICATION INTERFACE:**

Ethernet, RS232 and USB

#### **GENERAL PURPOSE INPUT/OUTPUT:**

4 Input, 4 Output

#### **ANTENNA CONNECTIONS:**

SMA (BNC adapters provided)

#### **POWER SUPPLY:**

85 to 265 VAC / 50-60 Hz

#### **CERTIFICATIONS:**

Emissions: CE, FCC Part 15,

ETSI 300330

Safety: UL 60950, CAN/CSA 22.2 No

60950, IEC 60950-1, CB Report with

certificate

### MECHANICAL

#### **DIMENSIONS:**

285 x 195 x 90mm (11.2x7.7x3.5 in)

#### **WEIGHT:**

3.4 Kg (7.5 lbs)

#### **OPERATING TEMPERATURE:**

0°C to 40°C (32°F to 104°F)

### SOFTWARE

#### **CONFIGURATION TOOL:**

L400 Explorer

#### **COMMUNICATIONS PROTOCOL:**

TAGSYS StxNG

#### **NETWORK PROTOCOLS:**

Telnet, TCP/IP, DHCP, Heartbeat

#### **SDK:**

Win32/x86

Java & .NET Class API

### ADDITIONAL FEATURES

Integrated LCD screen w/ keypad

Remote diagnostics tools

Data buffering and filtering

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T-M-L400-Datasheet-26Jun2009



Medio L400 Development Kit