



## Sensormatic® SensorID™ Agile 1 Reader

Multi-Frequency EPC Class 1 and ISO 15693 Intelligent RFID Reader

### EASY. SMART. AGILE.

The Sensormatic® SensorID™ Agile 1 Reader is a flexible, multi-protocol/frequency reader that can simultaneously read EPC and ISO tags operating in the North American UHF and HF bands. The SensorID Agile 1 Reader was designed to be deployed in a wide variety of RFID supply chain management and asset tracking applications. With its intelligent processing and network-based capabilities the SensorID Agile 1 Reader allows you to capture the information needed to monitor and efficiently manage your RFID deployment.

### SensorID Agile 1 Reader Features

- Multi-Protocol/Frequency Capable (supports):
  - EPC 1 (915 MHz)
  - ISO 15693 (13.56 MHz)
- Multiple Antenna Ports:
  - Supports up to 4 antennas (2 for each frequency)
    - 915 MHz
    - 13.56 MHz
- Network Protocols
  - TCP/IP, UDP/IP, HTTP over Ethernet Network Connection
- Operating System
  - ThingMagic's Tagreader OS and embedded Linux
- Access to Tag Data
  - Local: via a configurable Java applet
  - Remote: via ThingMagic's Reader Query Language (RQL)
- Database
  - High capacity real-time database accessible through RQL; supports tag history; tag filtering supported via Boolean RQL operators
- Protocol and Firmware Upgrade
  - Protocol modules and reader firmware easily upgradeable both locally and remotely

# Sensormatic® SensorID™ Agile 1 Reader

The SensorID Agile 1 Reader is an industry-leading intelligent reader that features an embedded Linux operating system. Not only does it support standard networking and database services, it also supports remote administration, management and firmware upgrades. The embedded operating system also enables access to an internal tag database via SQL-based query language. Local administration and testing are enabled through a web configuration utility.

A core component of the Sensormatic® SensorID infrastructure — an open-standards, integrated and scalable RFID solution for the retail supply chain — the Agile 1 Reader provides frequency — and protocol-agnostic RFID read capabilities for the retail supply chain. It delivers industry-leading performance at both 915 MHz and 13.56 MHz for EPC 1 and ISO 15693 protocols. This flexible, multi-frequency reader provides a direct path to enhance your SensorID RFID solution, thereby protecting your investment in RFID.

The SensorID Agile 1 Reader is designed as a gateway between the RFID tag/label and the data information system by incorporating an RF air interface to the tags. It acts as a web server and has a simple interface that is accessible through any standard browsing system. The SensorID Agile 1 Reader features reader-based intelligence that is DSP and microprocessor driven, which provides powerful RFID performance.

## LEADERSHIP IN RFID SOLUTIONS

The Sensormatic SensorID Agile 1 Reader is brought to you by ADT, one of the largest global providers of fully integrated retail and supply chain security and tracking solutions. Sensormatic solutions are installed in the majority of the world's top 100 retailers. No other RFID company offers the industry-leading Sensormatic SensorID brand — one of the first radio frequency technologies to extend the value proposition of retail supply chain visibility, agility in decision-making and RFID compliance to customers worldwide. And only ADT brings you the SensorID Agile 1 Reader.

## Technical Specifications

Product Code: IDRDSRM1000  
Dimensions: 254x254x38 mm

### Operating Frequencies

UHF: 902 – 928 MHz,  
frequency hopping  
HF: 13.56 MHz

### Protocols Supported

UHF: EPC1 HF: ISO 15693

### Processor/Memory

Dual processor design: Motorola 68XXX and TI 54XX  
Memory: 8MD Dram and 8 MD FLASH

### Antenna Ports

Two UHF and two HF  
Reader Intelligence  
DSP and Reader  
Microprocessor

### Power Supply

12VDC, 2A (unregulated)  
Power Consumption: 32 Watts  
Temperature: 0 to 40 C Operating/ -20 to 70 C  
Storage

### Regulatory Compliance

FCC Part 15, UL 60950  
CAN/CSA C22.2 No. 60950  
CANADA:RSS 210

## Antennas Supported

### OmniWave 915 MHz Linear Antenna

Product Code: IDANTM2000 – 915C  
Operating Frequency: UHF: 902 – 928 MHz  
Dimensions: 31 x 31 x 5.3 cm  
Cable: LMR 192 12 Feet

### OmniWave 915 MHz Circular Antenna

Product Code: IDANTM2000 – 915L  
Operating Frequency UHF: 902 – 928 MHz  
Dimensions: 31 x 31 x 5.3 cm  
Cable: LMR 192 12 Feet

### 13.56 MHz Antenna

Product Code: IDANTM1000 – 1356T  
Operating Frequency: HF: 13.56 MHz  
Dimensions: 23 x 25.4 x 1.3 cm  
Cable: 12 Feet

## The technology is proven. The benefits are real.

Tyco Fire & Security and ADT are proud to welcome the industry-leading Sensormatic SensorID Agile 1 Reader to our open standards-based RFID product family. To learn more about the Agile 1 Reader and the rest of our RFID products, call ADT at 1-877-258-6424, or visit [www.sensormatic.com](http://www.sensormatic.com).

