

ARS

**Tracking Assets
at the Speed of Business**

- **Dual mode IR/RF**
- **RF beacon**
- **Bi-directional IR**
- **Bi-directional RF**
- **WiFi 802.11.b/g**
- **Sensor-equipped**

■ ■ SCN-245 Asset Tracking Tag

2.45 GHz RFID Tag

The Active RFID Systems, Inc. SCN-245 asset tracking tag is designed to operate over a global area.

The SCN-245 tags automatically establish a self-configuring network in which they establish a data forwarding mode of operation based on a patented recursive network algorithm.

These tags also incorporate the ARS patent pending dual infra-red communication mode providing up to 5 years of operating life on the original batteries.

SCN-245 tags are designed to operate with the Active RFID Systems, Inc. EZR-2450-HD reader in the same manner as does the ARS 433.92 MHz operating system.

These tags are available with optional memory capacity and temperature sensors.

■ ■ Key Features:

- Bi-directional read/write tags operating at 2.45 GHz on the Active RFID Systems, Inc. proprietary protocol or on Zigbee protocol
- Extended battery life with Active RFID Systems, Inc. protocol
- Temperature sensing available
- Extended memory available
- Bi-directional infra-red communications for configuration settings, command and control, and data transfer

■ ■ Specifications:

Environmental:	Temperature	-25°C to +70°C Operating -20°C to +85°C Storage
	Humidity	Optionally sealed to 100% at 50°C
	Vibration	Commercial Transportation
	Shock	2-meter drop to concrete
	Type	Sealed to IP-54
Transmit/Receive:	Frequency	2.45 GHz band
	Range	20 – 100 meters
	Modulation	Per Requirement
	Data rate	up to 500 kbps
	Antenna	Internal
Digital:	On Board memory	up to 256k bits
	Interfaces	Wireless RF

Wireless infrared

Power:

Battery life

5 years based on infra-red
commands of up to 10 day