

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**

■ ■ ■ EZT-I2R2

Read/Write Bi-directional Infrared Tags

EZT-I2R2 tags are read/write bi-directional infrared tags that can be used for precise location information as well as for general RFID purposes.

These devices operate without any RF. Data can be written to the tags and read from them via Active RFID Systems, Inc. handheld devices as well as with commercially available PDAs and PDTs. The performance is enhanced to the specified levels when the Active RFID Systems, Inc. handhelds are utilized. They can be used for very precise location, as at a particular station in a production line, as well as for bi-directional data transfer. They are priced slightly higher than passive tags but offer considerably better performance in reading and writing ease as compared to passive technologies. They work against metal and water objects.

The tags' operating parameters, such as data fields, response times, etc. can also be controlled via the infrared communication link.

This tag has a fully enabled search and locate mode of operation.

■ ■ ■ Key Features:

- Infrared bi-directional read/write
- Infrared triggering and command and control
- Visible LED for operator feedback
- 10-year battery life
- Optional memory as required
- Optional temperature sensing
- 20m infrared trigger range
- 2m read range
- Optional enclosures/mountings

■ ■ ■ Specifications:

Environmental:	Temperature	-25°C to +85°C Operating -40°C to +125°C Storage
	Vibration	Commercial Transportation
	Shock	2-meter drop to concrete
Transmit/Receive:	Frequency Output	IR Active RFID Systems, Inc proprietary protocols as well as IrDA
	Range transmit infrared	2m
	Range infrared input	20 m
	Data rate	39 kbits infrared
Options:	Memory	256 bits basic
	Sensor	Temperature

Power:	Battery	coin cell
Enclosure:	Size	3cm diameter x 1.5 cm