

Intelleflex BAT-7300 Badge Tag

Extended range and reliability for personnel tracking, zone locationing, and asset security applications.



The Intellex BAT-7300 tags provide exceptionally high performance in a thin profile.

The Intellex BAT-7300 tags are rugged, thin profile tags designed for personnel monitoring and other asset tracking applications. The tags provide exceptionally high read/write accuracy and long range operation, ensuring accurate reads and writes at up to 50 meters. In addition, the BAT-7300's on-tag memory enables companies to store personnel information, authentication keys, history, and other data directly on the tag. The tag's innovative security features also provide secure on-tag data access.

In applications such as vehicle yard management and IT asset tracking, the BAT-7300 provides visibility to both the asset and the person(s) responsible for its movement and handling, affording new levels of control, security and accountability.

The housing incorporates a clip-on slot for convenient tagging to clothing. The BAT-7300 tags may also be worn on a lanyard.

FEATURES

Robust RF Communications

- Low turn-on threshold
- High receive signal sensitivity/backscatter efficiency

Efficient Power Management

- Multi-stage wake up

60 Kb User-rewritable Memory

Built-in Application-specific Security

Single Chip RFID Tag

BENEFITS

- Up to 50 meters (150+ ft) in open space
- Exceptional read/write reliability in real world environments

- Long battery life (up to 5 years), based on duty cycle

- Store user or asset information locally on tags:
 - Personnel data, history, access, location, etc.

- Lockable read/write user memory protects data integrity
- 1 Kb block level locking with separate read/write permalock password protection

- Rugged, thin profile form factor tags

SPECIFICATIONS

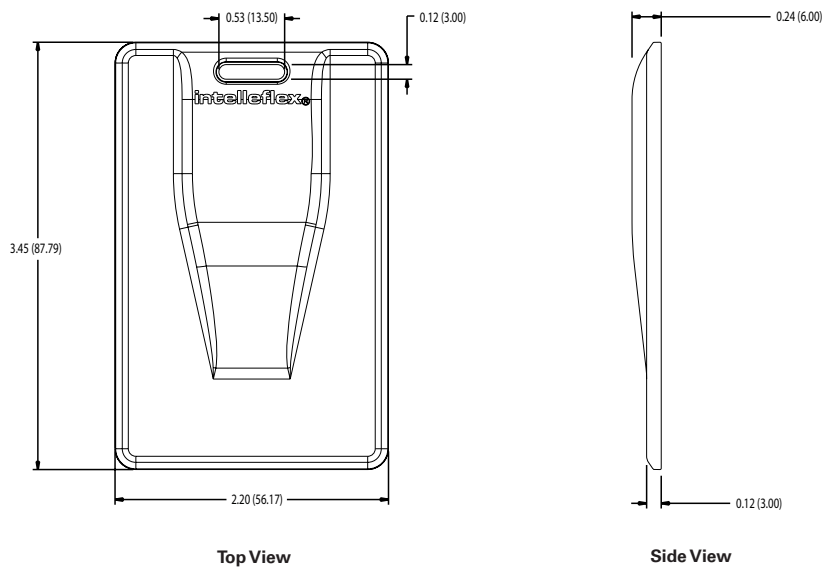
Device Type	Class 3 RFID (battery-assisted passive) single chip transponder
Protocol	Class 3
Operating Frequency	902-928 MHz (North America); 865-868 MHz (Europe/India)
Modulation	Amplitude modulated forward link (reader to tag) Frequency modulated reverse link (tag to reader)
Range	Up to 50 meters (150+ ft) in open space; 35 meters (114+ ft) in personnel applications
Battery Life	Up to 5 years depending on use; data is persistent and also readable at close range upon battery expiration
Data Rates	8 Kb/sec forward link 8 or 32 Kb/sec reverse link
Data Retention	10 years at 85°C
Memory	64 Kb total, 60 Kb rewritable non-volatile user memory
Environmental	Enclosure Protection IP55 Temperature (Operating and Storage) -4° to +140°F (-20° to +60°C) Shock IEC 60068-2-32, test Ed Vibration IEC 60068-2-6, test Fc
General Dimensions	3.45" x 2.2" x 0.12" (87,6 mm x 56 mm x 3 mm) (L x W x D)
Mounting Options	Clip-on slot
Other Features	Password-controlled read, write, 1 Kb block level locking, and permalock

Intellex reserves the right to change product information and specifications without notice.

ORDERING INFORMATION

Part Number	Description
BAT-7300	Standard badge tag; North American 902-928 MHz frequency range
BAT-7300-EU	Standard badge tag; Europe and India 865-868 MHz frequency range

DIMENSIONS



Note: All dimensions are in inches (mm)

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