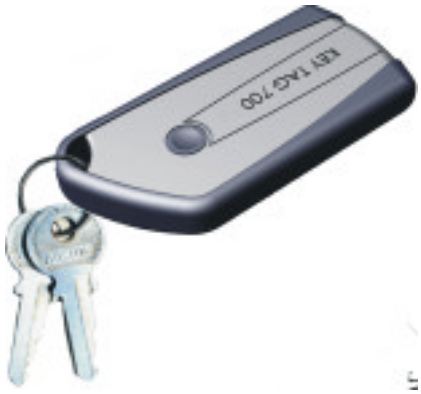
Tag

Product Code: L-TG700

Description: Tag Keyfob



The Link-it™ KeyFOB Active Tags are powered by an internal battery. The Tag will, for the duration of its life, transmit a Radio Frequency (RF) signal at a pre-set time-interval. The Tag life is estimated at 5 years at a transmission time interval of approximately 1.5 seconds. Additionally, the KeyFOB has a panic button, and such transactions will either be logged when out of reader range, or be reported immediately when within reader range. The lifespan of the Tag ends when the battery life is exhausted. Battery status can be inferred by interrogating the internal Tag Age Counter Value.

The transmitted Tag data includes Customer Site Code (CSC), Tag ID, Tag Age Counter Value, Panic Alarm status.

For protection against adverse environmental conditions, the Link-it™ KeyFOB Tag is encapsulated in a moulded plastic case.

The KeyFOB Tag is generally used for key tagging, although it may be used in other applications such as personnel monitoring.

The Tag can be configured to accommodate Wiegand interfacing.

Features

- Configurable settings, including Site / Vendor ID, Tag ID and Transmission Repetition Interval.
- Low power consumption. Tag life is estimated at 5 years when transmitting at a 1.5-second interval.
- Randomised time-slots (Standard percentage deviation) minimise collisions

Applications

Link-it™ KeyFOB Tags can be used in applications where door/safe keys need to be tracked. Institutions such as prisons, hospitals and government institutions would find this beneficial.

Specification

Environmental

Operational temperature	-10º C to +60º C
Storage temperature	-20º C to +70º C
Humidity	5% to 90% (non condensing)

Physical

Size	87mm x 38mm x 11mm
Weight	35 grams
Colour	Grey (Clariant 04-600 2%)
Type of material	ABS (IP 65)

RF Specifications

T_x Frequency	433.92Mhz
ERP	< 300µW (72 dB µV)
Typical Transmission Range	8 Meters (24 feet)
Power Output	-14 dBm, 72 db µV, 4300 µV/m, 38µW
Modulation	ASK
Bandwidth	1 MHz
Stability	Saw Stabilised

Electrical Specifications

Power	Internally powered Lithium Battery

Certification

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference and

This device must accept any interference received, including interference that may cause undesired operation.

The following standards applied in accordance with Article 5 of the directive, 1999/5/EC:

EN 300 220-1 V1.2.1 (1997-11)

ETS 300 683 (1997-03).

Summary of tests

Effective radiated power	25MHz-4GHz
Range of modulation bandwidth for wideband equipment	
Frequency stability under low voltage conditions	
EN55022	Radiated emissions 30MHz – 1GHz
EN61000-4-3	Radiated immunity 80MHz – 1GHz, excl 433.92MHz±20MHz
EN61000-4-2	Electrostatic discharge

Wavetrend (Pty) Ltd.
Wavetrend House
Hammets Crossing Office Park
Selbourne Rd
Fourways
Johannesburg
South Africa
Tel +27(11)462-2633
Fax +27(11)462-6316

Wavetrend Inc.
13912 NE 31st Place
Bellevue, WA
USA
Tel +1-206-949-6394

Wavetrend UK Ltd.
1st Floor, 7 Mallard Court,
Mallard Way, Crewe Business Park, Crewe,
Cheshire
England
CW1 6ZQ
Tel +44-1270-214-433
Fax +44-1270-214-420

sales@wavetrend.net