WAVETREND®

RFID | ACTIVATING YOUR BUSINESS

ACTIV

ACTIVE RFID

- Beacon tag transmitting a unique ID & data at pre-set intervals
- Ultra long-range transmitter
- Anti-tamper alert option
- Motion sensor option
- Ruggedised IP68 Industrial Housing

The TGA-A ActivDuo Asset Tag is a long life active tag that continuously transmits a unique ID number, which can be detected by Wavetrend® reader. An internal battery powers the tag and Wavetrend's patented ultra low power use design ensures longer battery life at higher rates of transmission than any other brand of active RFID tag. Various preset transmission intervals are available.

The TGA-A tag is available in both L-Series and L-Series plus formats

Best Usage Guide

KEY FEATURES	BUSINESS BENEFITS
Tag can be configured to hold standard 26-bit Wiegand numbering	Allows tag to be used with existing access control systems separately or together with the active RFID system.
Configurable settings include:	
▪ Site/vendor ID	▪ A unique code that can be allocated by Wavetrend to each customer on request. Readers can be set to ignore tags with incorrect site codes.
▪ Tag ID	▪ 4.2 billion tag ID's are available per site code.
▪ Tag Age Counter	▪ The Age Counter allows for advance notification of the end of battery life and for the unique identification for each transmission made by the tag.
▪ Various transmission repetition intervals	▪ Different status transmission intervals allow tags to be used in diverse applications while offering the best battery life spans in the market.
▪ Tamper Alarm	▪ Provides instant notification of unauthorized attempts to remove a tag from an asset.
Collision avoidance algorithm	Reduces loss of data caused by simultaneous transmissions from multiple tags.
Ultra low power consumption	Typical lifespan of 5 years when transmitting at the standard or greater interval.

Personnel

Indoor Use

Use on Metal

Track Assets

Outdoor Use

IP68 Waterproof

WWW.WAVETREND.NET

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**Asset Tag
TGA-A**

Typical Applications

The TGA-A Asset Tag has a unique omni directional antenna design allowing the tag to be read from all directions and to be deployed equally well on metallic and non metallic assets.

Optimum read range is achieved on metal with a 10% reduction on Non metals.

The tag is sealed to IP68 providing the highest level of water ingress protection.

Model Range
The tags can be ordered using the part numbers listed below:

L-Series
TGA-A

Air Interface Protocols
L-Series' and L-Series+ refers to a proprietary communication protocol used between Wavetrend® tags and readers.

L-Series tags provide ultra long read range and are ideal for use in low tag density (< 30 tags per reader) operations such as personnel tracking, small asset management applications and access control systems.

L-Series+ offers a wide range of extra features including:

Increased levels of security, Encrypted air interface and secure concealed site code options

Multiple classes, allowing the user to select shorter messaging packets for high speed or high density application

User definable data fields, allowing up to 200 characters of user data to be stored on the tag

Ordering & Further Information
For more information on purchasing the TGA-A Tag please email Wavetrend's Sales team:

sales@wavetrend.net

For more information on Wavetrend® visit our website.

Specifications

Environmental	
Operating temperature	: -30℃ to +60℃
Storage temperature	: -40℃ to +70℃
Humidity	: 5% to 90% (non-condensing)

Physical	
Size	:68 x 36 x 16mm
Weight	:25g
Colour	:Grey
Material	:Nylon

Radio Frequency	
Transmit Frequency	: 433.92 MHz
Range	: 1 to 100+ meters (actual range is determined by the choice of reader & antenna used to detect the tag and the environment it is used in)

Electrical	
Power	: Internally powered by lithium battery

Accessories	
TA-TGA	(All sold in packs of 10) : Tag attachment kit
TA-TGA-AT	: Tamper alerting tag attachment kit

Smart telemetry tag, that alert and log the user if out of bounds conditions in either temperature or humidity occur

Greater selection of tag beacon rates offering greater tag of the reduction in spurious transmissions.

L-Series+ tags can only be read by L-Series+ readers. L-Series readers can read both L-Series and L-Series+ tags.

* (from front page) Battery life calculations assume operation at room temperature with the default status transmission interval of 1.5 seconds, without the anti-tamper circuit armed and without a motion sensor fitted.

IMPORTANT NOTICE: *Wavetrend ACTIV tags do not comply with the FCC Part 15 rules or hold IC approval, so are not available for sale into the United States of America or Canada.*

**FCC Statement of Conformity
Wavetrend , TGA-A Active Duo ,
FCC ID: 06XTGA-A**

This device complies with Part 15 of the FCC rules subject to the following three conditions:
1) This device may not cause harmful interference.
2) This device must accept all interference received, including interference that may cause undesired operation.
3) This device is for commercial use only and intended for use in a confined area with an appropriate system receiver

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Certifications FC RoHS

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