- Beacon tag transmitting a unique ID & data at pre-set intervals
- Ultra low power consumption provides exceptional battery life
- Ultra long-range transmitter
- Low battery warning
- Anti-tamper alert option
- Passive RFID technologies including HID and UHF GEN2
- Available in grey or white housing

The TGP-A ActivDuo Personnel Tag is an 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.

KEY FEATURES	BUSINESS BENEFITS	Best Usage Guide
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.	**Personnel**
Configurable settings include:		**Indoor Use**
▪ 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.	**Windshield Use**
▪ Various transmission repetition intervals (default 15s)	▪ 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. Beacon rates are as follows: 15, 30.	
▪ Adjustable Movement Alert	▪ The sensitivity of the tags motion sensor can be set on a Scale of 1-10 allowing a scale from the most sensitive movement to prolonged shocks.	**Track Assets**
▪ 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.	**Outdoor Use**
Ultra low power consumption	Lifespan of 3 years when transmitting at the standard or greater interval.	
Sealed to IP64 standards	Splash proof	
Housing incorporates dip-slot	For convenient wearing and flexibility of use.	

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ACTIVE RFID

Typical Applications

The TGP-A Personnel Tag is generally used for security & safety applications requiring people to carry a tag. The housing incorporates a clip-slot for convenient wearing for that purpose. However, it may be used in other applications such as asset monitoring. The mounting and affixing method for the tag depends on the type of application it is used in. The tag must not be fixed directly onto metal surfaces.

The TGP-A-DT tag is a 'dual technology' tag that incorporates a customer supplied passive RFID PET e.g. the HID *MicroProx*™ chip, allowing the tag to function on other passive RFID systems such as a door access control system.

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

L-Series	
TGP-A	: Standard tag
TGP-A-G2	: With UHF Gen2 Inlay
TGP-A-DT	: With HID Inlay

Air Interface Protocols
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.

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

sales@wavetrend.net

For more information on Wavetrend® visit our website.

Specifications

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

Physical	
Size	: 85 x 54 x 6.5 mm
Weight	: 24 grams
Colour	: Grey
Material	: ABS (ultrasonically sealed) IP64

Radio Frequency	
Transmit Frequency	: 433.92 MHz
Power Output (avg.)	: 77 dBµV/m @ 3m
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	
	All sold in packs of 10
TATGP	: Tag attachment kit
TATGP-AT	: Tamper alerting tag attachment kit

FCC Statement of Conformity
Wavetrend TGP-A Active Duo
FCC ID: 06XTGP-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.

* (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.

Certifications FC RoHS