

ACTIVE RFID

Micro Tag TGM-A



- Beacon tag transmitting a unique ID & data at pre-set intervals
- Ultra long-range transmitter
- Anti-tamper alert option
- Motion sensor option
- IP64 Housing
- Compact size

The TGM-A ActivDuo Tag is an extremely small 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
25166694	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: <ul style="list-style-type: none"> ▪ Site/vendor ID ▪ Tag ID ▪ Tag Age Counter ▪ Various transmission repetition intervals ▪ Tamper Alarm 	<ul style="list-style-type: none"> ▪ 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. ▪ 4.2 billion tag ID's are available per site code. ▪ 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. ▪ Different status transmission intervals allow tags to be used in diverse applications while offering the best battery life spans in the market. ▪ Provides instant notification of unauthorized attempts to remove a tag from an asset. 	 Personnel  Track Assets  Use on Metal  Indoor Use
	Collision avoidance algorithm	Reduces loss of data caused by simultaneous transmissions from multiple tags.	
	Ultra low power consumption	Typical lifespan of 3 years at 15 second beacon rate	
	Sealed to IP64 standards	Splash Proof	

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Typical Applications

The TGM-A Micro 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.

It should be noted that due to its physical size the micro tag has a smaller battery than other tags in the range, for monitoring applications it is recommended to use the TGM-A set at 30 seconds. This allows the user to extend the life of the tag whilst still detecting any motion events.

Model Range

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

L-Series

TGM-A

TGMS-A

Specifications

Environmental	
Operating temperature	: -30°C to +85°C
Storage temperature	: -40°C to +90°C
Humidity	: 5% to 90% (non-condensing)
Physical	
Size	: 29 x 25 x 7 mm
Weight	: 7g
Colour	: Grey
Material	: ABS
Radio Frequency	
Transmit Frequency	: 433.92 MHz
Range	: 1 to 50 + 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-TGM	All sold in packs of 10
TA-TGM-AT	: Tag attachment kit : Tamper alerting tag attachment kit

Ordering & Further Information

For more information on purchasing the Activ TGM-A Tag please email Wavetrend's Sales team:

sales@wavetrend.net

For more information on Wavetrend® visit our website.

Certifications



FCC Statement of Conformity

Wavetrend , TGM-A Active Duo ,
FCC ID: 06XTGM-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.

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