



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

The TGAS Activ 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.

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.
<b>Configurable settings include:</b> <ul style="list-style-type: none"> <li>▪ Site/vendor ID</li> <li>▪ Tag ID</li> <li>▪ Tag Age Counter</li> <li>▪ Various transmission repetition intervals</li> <li>▪ Movement Alert</li> <li>▪ Tamper Alarm</li> </ul>	<ul style="list-style-type: none"> <li>▪ 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.</li> <li>▪ 4.2 billion tag ID's are available per site code.</li> <li>▪ 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.</li> <li>▪ Different status transmission intervals allow tags to be used in diverse applications while offering the best battery life spans in the market.</li> <li>▪ Provides instant notification of an attempt to move a tag through rapid alert transmissions for 5 seconds.</li> <li>▪ Provides instant notification of unauthorized attempts to remove a tag from an asset.</li> </ul>
Collision avoidance algorithm	Reduces loss of data caused by simultaneous transmissions from multiple tags.
Ultra low power consumption	Typical lifespan of 3 years when transmitting at the standard or greater interval.
Sealed to IP64 standards	Dust Proof

### Best Usage Guide



Personnel



Track Assets



Use on Metal



Indoor Use

## Typical Applications

The TGAS Asset Strap 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.

### Model Range

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

L-Series
TGAS
TGAS-MS: Includes motion sensor

## 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.

### Ordering & Further Information

For more information on purchasing the Active TGAS Tag please email RFID Canada Sales team:

[sales@rfidcanada.com](mailto:sales@rfidcanada.com)

For more information on RFID Canada visit our website.

## Specifications

<b>Environmental</b>	
Operating temperature	: -30°C to +60°C
Storage temperature	: -40°C to +70°C
Humidity	: 5% to 90% (non-condensing)
<b>Physical</b>	
Size	: 39 x 33 x 13mm
Weight	: 22g
Colour	: Black
Material	: Nylon
<b>Radio Frequency</b>	
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)
<b>Electrical</b>	
Power	: Internally powered by lithium battery
<b>Accessories</b>	
TA-TGAI	: Tag attachment kit
TA-TGAI-AT	: Tamper alerting tag attachment kit

*\* (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 ACTIVE 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.

### IP Information

Wavetrend and the Wavetrend logo are either registered trademarks or trademarks of Wavetrend Technologies Limited in the United States and/or other countries. All other trademarks are the property of their respective owners. The product(s) described in this document are protected by various patents held by Wavetrend. Refer to the URL [www.wavetrend.net/IPR](http://www.wavetrend.net/IPR) for information on all patents and trademarks held, and for Wavetrend's Policy on Intellectual Property Rights.

