WAVETREND®
RFID | ACTIVATING YOUR BUSINESS

ACTIV

ACTIVE RFID

Hazard Asset Tag
TGAHZ

- ATEX Zone 0, IECEx and Intrinsically Safe Certified
- Ruggedised IP68 Industrial Housing
- Long Battery Life
- Ultra long-range transmitter
- Anti-tamper alert option
- Motion sensor option
- Extended Temperature range -40°C – +70°C

The TGAHZ Activ Asset Tag is ideal for applications requiring long range asset tracking, particularly in harsh environments. The tag continuously transmits a unique ID number, which is detected by a 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.

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 ▪ Tag ID ▪ Tag Age Counter ▪ Various transmission repetition intervals ▪ Movement Alert ▪ Tamper Alarm	▪ 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 an attempt to move a tag through rapid alert transmissions for 5 seconds. ▪ 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 3 years when transmitting at the standard or greater interval*
Sealed to IP68 standards	Waterproof

Best Usage Guide

Use on Metal

Oil & Gas Certified

Optional Extended Temperature

Mining Certified

IP68 Waterproof

Typical Applications

The TGAHZ Hazard Asset Tag is ideal for applications requiring long range asset tracking, particularly in harsh environments. The tag provides complete visibility over equipment, machinery, vehicle fleet and critical assets.

The solution allows users to quickly search for an asset and view its real time location displayed on a map. Location and status information is populated to enterprise applications and meaningful business events can be triggered.

Some of the benefits derived from the deployment of the Wavetrend Hazard Asset Tag include theft prevention of equipment, accurate location detection, automatic inventory management and increased worker productivity. This has been demonstrated extensively within the oil and gas, mining, construction and logistics sectors.

The tag has a unique omni-directional antenna design allowing the tag to be read from all directions and can 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.

Wavetrend office locations: UK I US
For technology or sales enquiries please email : sales@wavetrend.net

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

Physical	
Size (mm)	: 68 x 36 x 16
Weight (g)	: 25
Colour	: Yellow
Material	: Nylon

Radio Frequency	
Transmit Frequency	: 433.92 MHz
Range	: Up to 200 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
	: High temperature battery available (125°C)

Accessories	
TA-TGA	: Tag attachment kit
TA-TGA-AT	: Tamper alerting tag attachment kit

Certifications

* (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. Please refer to the ACTIVDUO range for FCC and IC Certified Wavetrend tags

WWW.WAVETREND.NET