



# STA T08013 Metal Tag

Ultra High Frequency 860-960MHz

Rugged Design, Consistent Performance

## Features

- Compliant to EPC C1 Gen 2 standard
- Operating frequency 860-960MHz
- 240-bit EPC number
- 64-bit tag identifier
- 512-bit programable user memory
- Contact-less transmission of data and supply energy (no battery required)
- 32-bit access password
- 32-bit kill password
- Reader distance up to 2.4m/7.9ft
- Fast data rate

## Overview

The UHF Metal Tag STA T08013 is designed for use on metal surfaces. It combines an exceptional read/write performance with a rugged design optimized for harsh operation environments.

Conforming to the EPCglobal Class1 Gen2 standard, the STA T08013 addresses application areas which demand long operating distances and high anti-collision rates.

The STA T08013 shows best-of-breed UHF performance over the 860-960MHz UHF bandwidth and reliable operation in dense reader mode. These passive metal tags feature an extended 240 bit EPC number and a 64 bit tag identifier and 512-bit on-chip user memory. The STA T08013 provides an optimized custom command set. All custom commands are 32 bit access password protected.

In addition, the STA T08013 includes the high performance tape enabling easy attachment to various mounting surfaces.

## Applications

- Asset Tracking
- Supply Chain
- Logistics

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An ISO 9001-2000 certified company

# Product Specifications

## Physical Characteristics

Dimensions	80 x 13 x 4mm (3.1 x 0.5 x 0.2in)
Base material	FR4; copper
Case material	ABS plastics

## User Environment

Operating temperature	-20°C to +75°C (-4°F to 167°F)
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## Performance Specifications

Operating frequency	860-960MHz
Supported standard	EPCglobal Class 1 Gen2; ISO 18000-6C
Read distance	Up to 2.4m / 7.9ft (reader dependent)
Chip type	UCODE G2XM
Memory	240-bit EPC; 64-bit TID; 512-bit programable user memory
Functionality	Read / Write
Anti-collision	Simultaneous identification of multiple tags



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