



# STA C06554 Smart Card

Ultra High Frequency 860-960MHz

Robust Design & Exceptional Performance

## Features

- EPC global Class1 Gen2 (ISO18000-6C) Compliant
- Operating Frequency 860-960MHz
- Simultaneous identification (anti-collision)
- Linear Polarization
- Nonvolatile and multiple programmable memory
- PVC Substrate
- Credit Form Factor
- Compatible with printer system

## Overview

The Ultra High Frequency (UHF) Smart Tag STA C08554 consists of 860-960MHz transponders that are compliant with EPC global Class 1 Gen 2 standard (ISO18000-6C).

These products offer four memory banks, including 96-bit EPC number, 64-bit Tag ID, 32-bit Passwords, 32-bit kill password and 224-bit user memory, that can each be independently locked with a password to prevent overwriting. In addition, the locking structure is protected by a 32-bit password, offering a stronger level of security.

Combining well with the UHF readers, the STA C08554 delivers exceptional EPC Gen 2 range and reliability in a credit card form factor at competitive prices.

## Applications

- Access Control
- Library Management
- Automatic Vehicle Identification
- Electronic Toll Collection

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# Product Specifications

## Physical Characteristics

Dimensions	85 × 54 × 0.84mm (3.3 × 2.1 × 0.3in)
Case material	PVC

## User Environment

Operating temperature	-10°C to +50°C (-14°F to 122°F)
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## Performance Specifications

Operating frequency	860-960MHz
Supported standard	EPCglobal Class 1 Gen 2; ISO 18000-6C
Read distance	Up to 5m / 16.4ft (reader dependent)
Chip type	UCODE EPC G2
Memory	96-bit EPC; 64-bit TID; 224-bit programmable user memory
Functionality	Read/Write
Data retention	> 10 years

