

UHF Card

The **UHF** Card is a new family of Higgs-3 powered UHF RFID. It's Higgs-3 core provides 512-bits of user memory for applications requiring local data storage, and an extensible EPC number for alternative industry standard and legacy part numbering schemas.

It also features a unique 64-bit TID for use in product authentication and serialization applications and read/write password support to prevent unauthorized viewing/modification of the tag's data.



Key Features

- Worldwide operation in the RFID UHF bands (860—960MHz)
- Higgs™-3 IC with 800-bits of Non-Volatile Memory
 - 96 EPC bits, extensible to 480-bits
 - 512 User bits
 - 64-bit Unique TID
 - 32-bit Access and 32-bit Kill passwords
- Pre-programmed with a unique, unalterable 64-bit serial number
- User Memory can be Block Perma-Locked as well as read password protected in 64-bit blocks
- Exceptional Operating Range
- Available in High-yield, high-capacity dry/wet inlay rolls for high volume converting processes

Technical Specifications

Specifications*	UHF Cards	UHF Sticker
Smart Chip	Alien Higgs-3	
Operating Frequency	840 - 960 MHz	
Read Range	≥8 m	
User Memory	512-bit	
Material	PVC	PET (with adhesive)
Color	White/ Glossy	White (without printing)
Dimensions (H x W x D)	54 x 85.7 x 0.76 mm (Standard Credit Card Size)	40 x 110
Weight	5.8 g	-
Operating Temperature	-25°C to 50°C	

*Specifications are subject to change without prior notice

Ordering Information

Model No.	Description
UF1	UHF Passive Card (ISO) - Single Band
UF2A	UHF/MIFARE Passive Card (ISO) - Dual Band
UFD14K	UHF/MIFARE DESFire EV1 4K Card (ISO)