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# 3G USIM Card incl Dummy XOR Algorithm - 3FF

**Brand:** Smartjac Industries Inc  
**Product Code:** SMAOT100003



## Short Description

Multi application capability with both 2G SIM and 3G USIM applications.

## Description

- 3G USIM card incl XOR Algorithm - 3FF
- SIM 1.4 features
- USIM 3GPP Release 5 compliant
- Interoperability: passed 3GPP Test Suite 51.013
- Optimal dynamic memory management
- Dynamic applets and files administration based on standardized 23.048 protocol & GlobalPlatform 2.0.1
- Multi application capability
  - with both 2G SIM and 3G USIM applications
  - based on Java architecture
- 2G Java application interoperability for a cost effective and time to market new services deployment
  - Passed test suite 11.13
- State of the art security (cards with Milenage) :
  - SPA/DPA Milenage algorithm
  - DES/3DES, authentication counter

- ETSI TS 102.222 administrative commands to achieve a complete and fully configurable card personalisation.
- Optimal dynamic memory management for a flexible management of applications and card files.
- Standards
- GSM release 5
  - ETSI GSM 11.11
  - ETSI GSM 11.14 (STK)
  - ETSI GSM 03.19 (API)
  - ETSI GSM 03.48 (OTA)
  - ETSI Test Suite 11.13 (API Interoperability)
  - 3GPP TS 42.009: “Security Aspects”
  - 3GPP TS 43.020: “Security related Network functions”
  - Sun Java Card Specification 2.1.1 or 2.2.2
  - Global Platform 2.0.1
  - Smart card-based client provisioning standard : OMA-WAP-ProvSC-V1.1
- 3G release 5
  - ETSI TS 102 221 : UICC - terminal interface
  - 3G TS 31.102 : USIM application
  - 3G TS 31.111 : USIM application toolkit (USAT)
  - 3G TS 33.102 : 3G security
  - 3G TS 31.122 : Universal Subscriber Identity Module (USIM) conformance test specification
  - 3GPP 23.048 : OTA security mechanisms
  - 3GPP 43.019 : API
  - 3GPP TS 42.009: “Security Aspects”
  - 3GPP TS 43.020: “Security related Network functions”
  - JSR 177 and JSR 118 compatibility