

10T eSIM (eUICC)

TECHNICAL SHEET (INDUSTRIAL)

MFF2/EMBEDDED

Hardware features

- Industrial grade qualification (JEDEC)
- Operating temperature: -40 to 105 °C
- Data Retention: 17 years at 85°C; 10 years at 105°C
- Erase/Write Cycles : 500.000 cycles
- Up to 1280 Kbytes of User Flash Memory
- Up to 32 Kbytes of User RAM
- 1.8 V, 3 V and 5 V supply voltage ranges
- Current consumption compatible with GSM and ETSI specifications
- Power-saving standby state
- ESD protection greater than 4 kV (HBM)

Security features

- Active shield
- Memory protection unit (MPU)
- Monitoring of environmental parameters
- Protection against faults
- 16- and 32-bit CRC calculation block (ISO 13239, IEEE 802.3, etc.)
- True random number generator



Fully compliant with GSMA's RSP specifications - SGP.01, SGP.02, SGP.11.



- Hardware security-enhanced DES accelerator
- Hardware security-enhanced AES accelerator
- NESCRYPT coprocessor for public key cryptography algorithm

Software features

- 2G/3G/4G/5G (U)SIM ETSI/3GPP Features
- ISIM ETSI/3GPP Features
- LPWA (U)SIM ETSI/3GPP Features
- JavaCard and GlobalPlatform Features
- OTA SMS, BIP/HTTPS, BIP/CAT-TP Features
- Dynamic Memory Management
- EAP Methods

