

# SMiT CIPlus Consumer CAM Specification

- Irdeto

## Product Description

- ◆ The CAM used on iDTV and STB, with entitlement from operator, gives access to Pay TV program
- ◆ Irdeto CAS embedded, officially certified product
- ◆ Support MPEG-2/MPEG-4/SD/HD/3D
- ◆ Widely compatibility tested with iDTV and STB models in the market
- ◆ Support different Irdeto solution: Irdeto Cloaked CA, or Smartcard CA, or Unified Client Agency

## CA Features

- ◆ Chipset Pairing
- ◆ Control Word Encryption
- ◆ CA Menu and Message
- ◆ Flexiflash
- ◆ Multi-Language

## CI Plus Features

- ◆ CI Plus v1.3
- ◆ Host Revocation
- ◆ Host Control

## OTA

- ◆ Irdeto Secure Loader V3
- ◆ Low Bandwidth Consumption (200 Kbit/s, range 40~2048Kbit/s)
- ◆ Secure bootloader, with external memory binary integrity and validation checking

## Processing

- ◆ SMiT 32-bit Secure SoC
- ◆ On-chip OTP: 32KBytes
- ◆ TS Processing: up to 96Mbps, 64 PIDs support
- ◆ Hardware Cryptography Accelerators
- ◆ Common descrambling algorithm of DVB, DVB-CSA1/2/3, AES

## External Memory and Interfaces

- ◆ Flash: 16MBytes
- ◆ RAM: 8MBytes
- ◆ Smartcard Reader: ISO7816 T=0/T=1/T=14 Compliant

## Physical & Electrical Characteristics

- ◆ Dimensions: PCMCIA Type II
- ◆ Smartcard reader, ISO7816 standard, Class A and Class B
- ◆ Operation voltage: 4.5V ~ 5.5V
- ◆ Operation current: <150mA
- ◆ Power consumption: < 750mW
- ◆ Work temperature: 0°C ~ 55°C
- ◆ CE, RoHS, REACH, WEEE