TRUSTIOT © SECURE IOT NETWORK ENSURE DATA INTEGRITY



TRUST IoT is a Secure Element to plug

on connected object ensuring trustable Chip-to-Server Data Transmission



IoT Device IDentification



Collected Data Encryption



Easy Integration





Support for product integration

TRUST IoT is a micro-controller ensuring secure data transmission and object secure authentication from object to server or cloud services.

Plugged to IoT device processor, **TRUST IoT** chip technology permits **in a single command** to get an encrypted message called Crypto-ID allowing server to:

- Authenticate the Object
- Trust Data collected on the field
- Verify message Uniqueness

MAIN FEATURES

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- Communication Protocols:
 - ISO/IEC 7816-3 | T=0
 - o ISO/IEC 14443-A | T=CL
- Encryption based on AES-128 cryptography
- > Transmit **up to 128 bytes** of collected data
- > MCU access conditions (External Authenticate)
- > MSE: Key storage and Key management
- > Dynamically computed Crypto-ID
- > Up to EAL5+ high Common Criteria HW

MAIN ADVANTAGES

- > Enrol Device securely
- Identify connected objects
- > Trust Data collected from the field
- > A single command for:
 - o Secure authentication
 - o Data encryption
- > Easy-to-integrate on IoT device
- End-to-End Security from chip to server
- > Direct interaction with **RF-**Interface



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