

# From Cards to Appliances using **one** smart and secure platform

## Protective Technology for IoT

### Security Lacking in IoT

The growth of network connected devices, systems, and services comprising the Internet of Things (IoT) create immense opportunities and benefits for our society. IoT security however, has not kept up with the rapid pace of innovation and deployment, creating substantial safety and economic risks. Many of the vulnerabilities in IoT could be mitigated through recognised security best practices, but many products today do not incorporate even basic security measures.

### Euro-Smartict Security

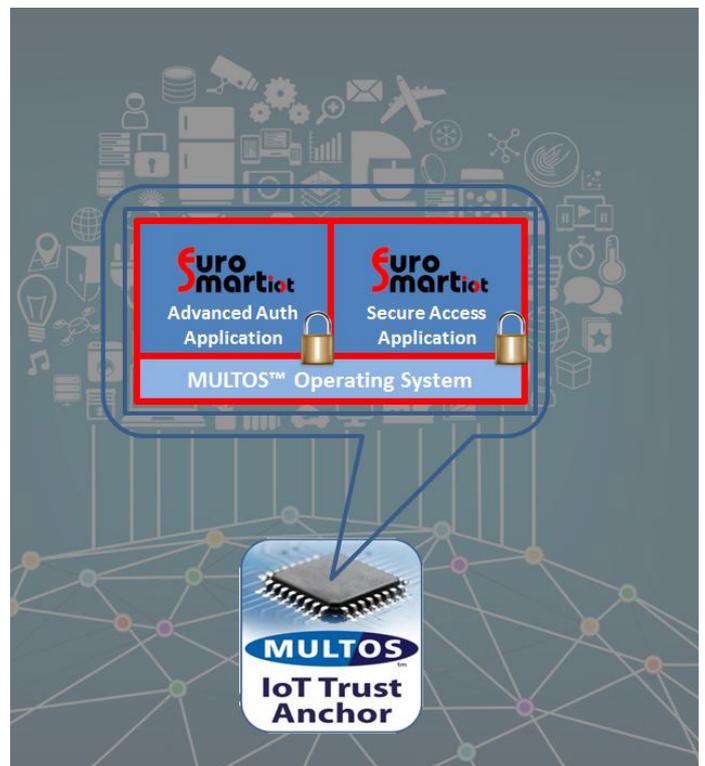
Euro-Smartict expertise with authentication, cryptography and smart cards goes back to the mid 1990s and with MULTOS technology in particular back to the mid 2000s. This know-how has made Euro-Smartict able to successfully deliver the smart card applications, middleware and back-office validation services to the largest National Identity Cards project in the Middle East and the MULTOS-based security modules to one of Europe's most innovative airports. Euro-Smartict has chosen MULTOS as its preferred chip application platform due to its clear yet secure and solid structure, flexibility of application management, isolation and delegation, data preparation and post issuance features.

Euro-Smartict uses the following principles to address and solve the IoT security challenges:

- ✓ Incorporate Security at the Design Phase
- ✓ Build on Proven Security Practices
- ✓ Prioritise Security Measures according to Potential Impact

### Euro-Smartiot Suite

Subject matter experts and architects at Euro-Smartict have created the Euro-Smartiot Suite, an embedded security software solution running on the MULTOS IoT Trust Anchor providing advanced authentication and secure access to IoT devices deployed on the network.



### Proven MULTOS Security

MULTOS has been at the heart of the secure smartcard industry for 20 years, and over 1 billion secure MULTOS smartcards and devices have been shipped. Based on Public Key Infrastructure (PKI) it is industry renowned and has obtained the highest band of security approval, the Common Criteria EAL7 certification.