It’s time for TEE

Discover the Trustonic Trusted Execution Environment for mobile devices — and how Gemalto’s Trusted Service Hub makes it even more attractive for deploying secure applications and m-commerce...

Learn more about TEE, the Trusted Service Hub, and the world of mobile payment: www.gemalto.com

ADDRESSING MOBILE SECURITY THREATS

Sensitive personal and financial data on mobile devices is particularly vulnerable to hacking and fraud... 

614%
year-on-year growth in mobile malware targets Android devices (Source: Juniper, 2013)

92%
of mobile malware targets Android devices (Source: Juniper, 2013)

TEE: A SMART MOBILE SECURITY SOLUTION

The Trusted Execution Environment (TEE) is designed to bring more security to the mobile world.

The TEE is a secure hardware and software environment in the main processor of a smartphone or other mobile device.

ENABLING TRUSTED APPLICATIONS

Each Trusted Application can be managed securely ‘over the air’ by the relevant service provider.

The TEE supports a wide range of secure software services or ‘Trusted Applications’ on the mobile device, by enforcing data protection, confidentiality, integrity and access rights.

MOBILE OS

CORPORATE EMAILING, VPN, ACCESS

FINANCIAL SERVICES

TEE IS REALLY TAKING OFF...

TEE: A SMART MOBILE SECURITY SOLUTION

It protects sensitive data and runs secure applications — isolated from possible malware in the mobile OS.

It represents an attractive and powerful solution for bringing enhanced security to millions of mobile devices.

WHO BENEFITS FROM TEE?

Increased reassurance, better mobile experience

In-vehicle mobile payments

Single touch, mobile transactions

Copy protection of video and other high-value content

Securing data, services and identity, malware protection

MOBILE USERS

Securing m-payment and m-commerce transactions

FINANCIAL SERVICES

Copy protection of high-value content

GOVERNMENT AND ENTERPRISE

Copy protection of high-value content

DIGITAL CONTENT PROVIDERS

Copy protection of high-value content

Top OEMs support TEE

and incorporating TEE in their mobile devices, including Samsung’s market-leading Galaxy range, HTC, ZTE, Meizu and Alcatel/ TCL.

350 million mobile devices with Trustonic TEE sold to date (February 2015)

Gemalto has added full integration with Trustonic TEE mobile devices to its Allynis Trusted Services Hub-the industry-leading platform that enables digital service creators to “plug in” easily and connect with multiple mobile networks and device types.

Gemalto’s Trusted Application Management (TAM) service is an end-to-end solution for easy and secure deployment, provisioning and data personalization of Trusted Applications on TEE-enabled mobile devices.

You can be sure that Gemalto’s Trusted Service Hub supports the latest mobile security options such as TEE — it is a deliver-a-best-in-class mobile experience.

INFOGRAPHIC:

TEE CONTENT PROTECTION

PERSONAL DATA

350 million mobile devices with Trustonic TEE sold to date (February 2015)

100% of new Android devices anticipated to incorporate TEE by 2017

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Source: Trustonic

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