

OPTIGA™ Trust M2 ID2 应用场景分享

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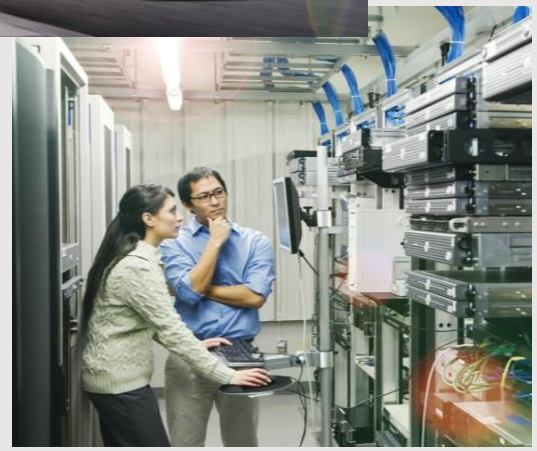
什么是物联网?

究竟什么是物联网?





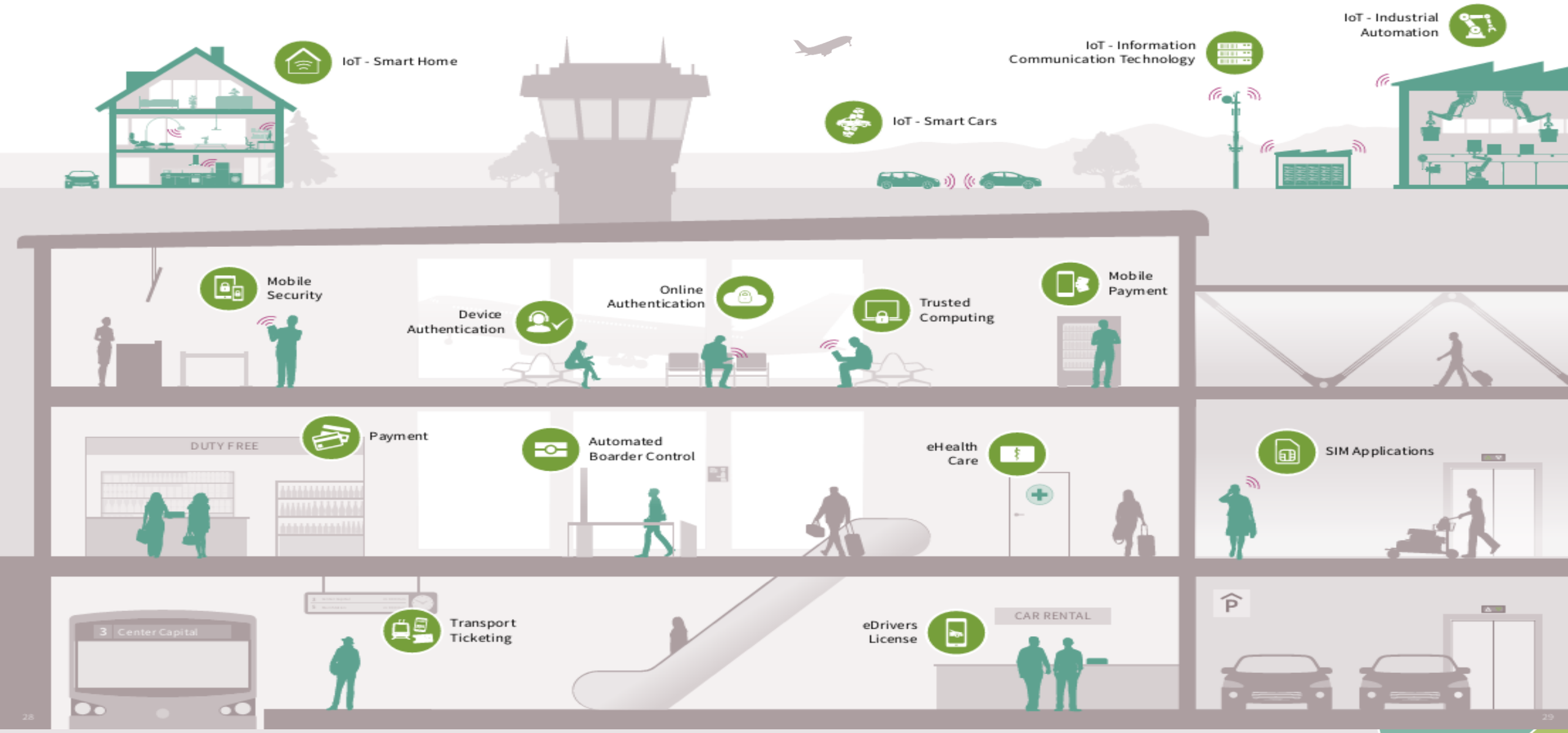




“一个物理对象无缝接入信息网络的世界”

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物联网的发展将遍及各个行业



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物联网安全现状概览



Sources: F-Secure, Kaspersky, Symantec, Microsoft

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OPTIGA™ Trust M2 ID2

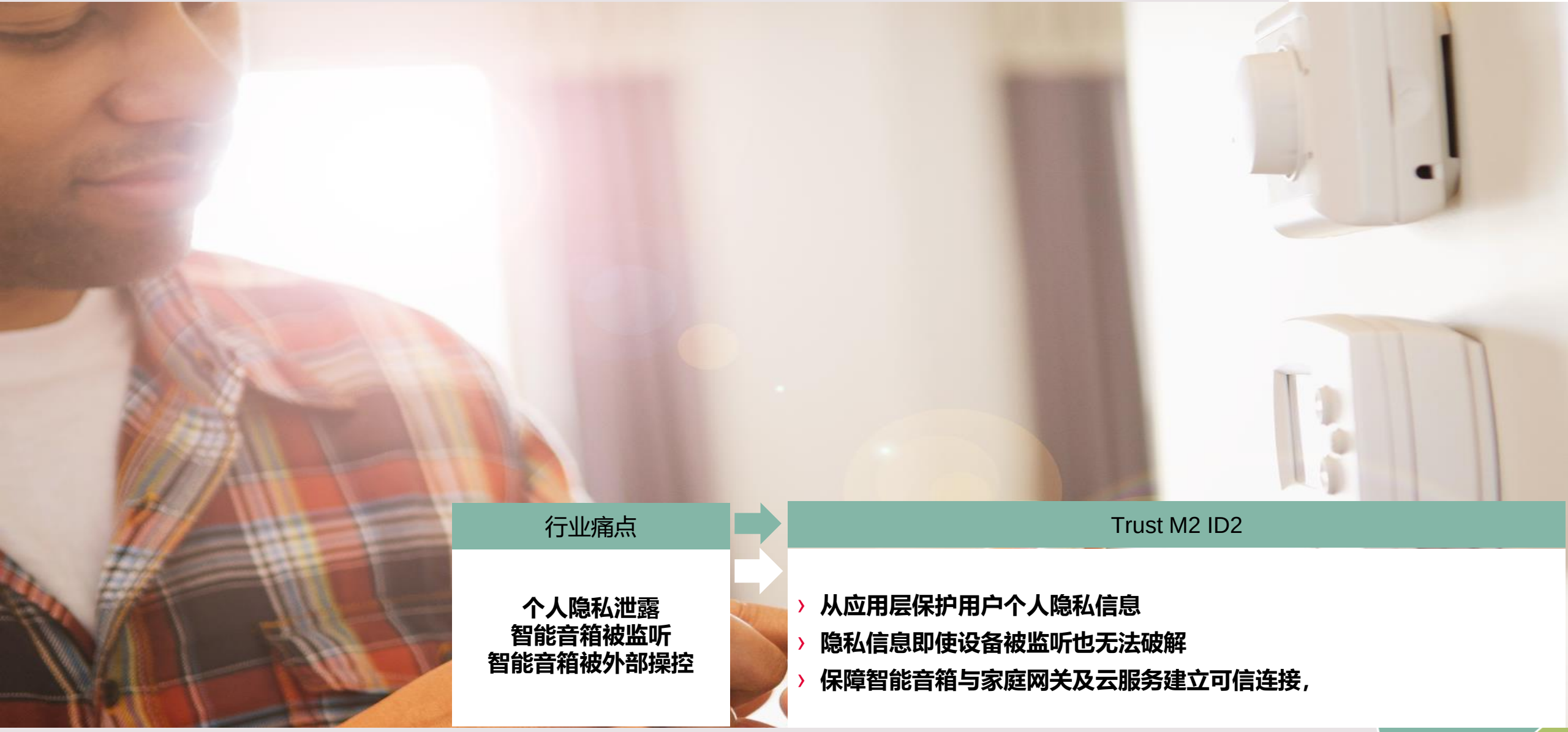


基本功能

- 双向认证
- 安全通信
- 安全固件升级
- 个人化数据可配置
- 数据存储保护
- 平台完整性校验

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应用场景分享 - 智能音箱



行业痛点	Trust M2 ID2
个人隐私泄露 智能音箱被监听 智能音箱被外部操控	**› 从应用层保护用户个人隐私信息 › 隐私信息即使设备被监听也无法破解 › 保障智能音箱与家庭网关及云服务建立可信连接，**

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应用场景分享 – 某知名企业智能工厂



Trust M2 ID2:
- **增强数字身份**
- **验证设备完整性**
- **加密传输数据**
- **保护IP**

感应
-搜集和生成数据

控制
-解析及处理数据

操控
- 智能操作设备

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应用场景分享 – 网络摄像头



安全隐患

- 网络监控摄像头存储的数据可能被篡改
- 家庭成员的作息时间表可能被黑客或小偷收集
- 个人数据可能被盗用
- 网络摄像头被黑客控制

Trust M2 ID2:

› 摄像头与云服务进行双向认证
› 摄像头与云服务建立可信连接，通信数据加密
› 安全固件升级

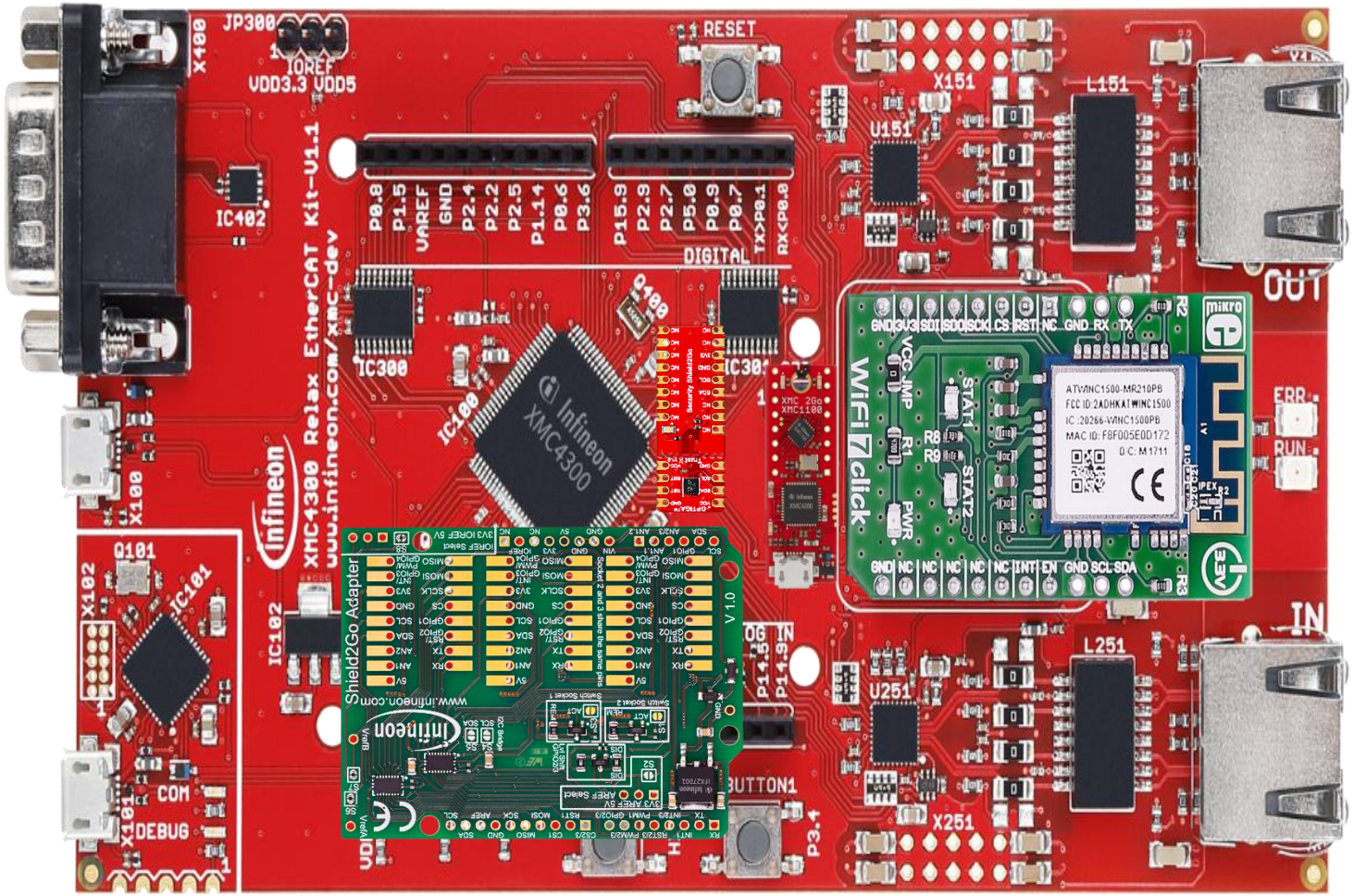
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Trust M2 ID2 核心卖点



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如何使用Trust M2 ID2 – 开发套件

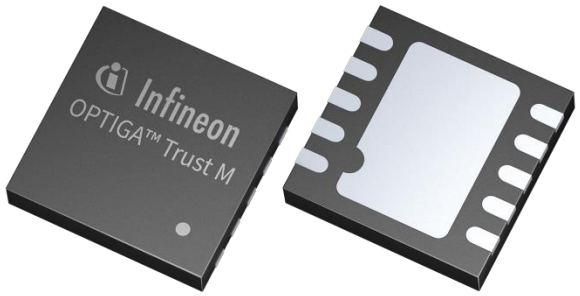


开发套件

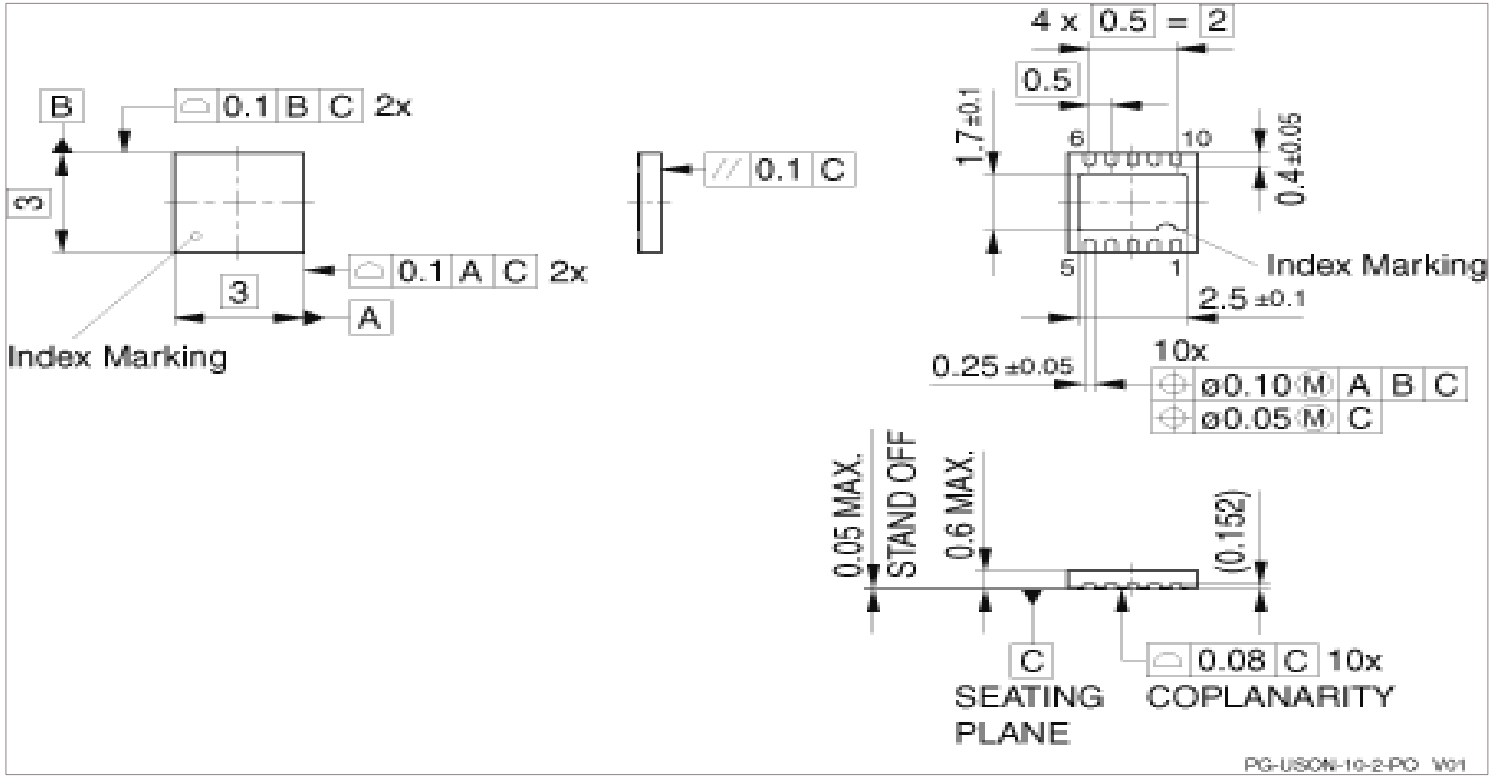
- 可直接或或通过代理商向英飞凌申请
- 可模拟实现Trust M2 ID2应用功能
- 简单易用

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如何使用Trust M2 ID2 – 硬件封装



Pin	Type	Function
01	GND	Supply voltage (Ground)
02	NC	Not connected
03	I/O	Serial Data Line (SDA)
04	NC	Not connected
05	NC	Not connected
06	NC	Not connected
07	NC	Not connected
08	I/O	Serial Clock Line (SCL)
09	IN	Active Low Reset (RST)
10	PWR	Supply voltage (V_{CC})



更多资讯https://www.infineon.com/cms/en/product/packages/PG-USON/PG-USON-10-2/

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如何使用Trust M2 ID2 – 软件集成



OPTIGA™ Trust M2 ID2 Host端软件开源, 资源及产品文档都上已传至GitHub

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购买Trust M2 ID2



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产品名称： OPTIGA™ Trust M2 ID2

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