EMPOWER CONNECTED DEVICES
Enhance & Protect with **MULTOS**

Connected M2M & Consumer Endpoint Devices, Leveraging Enhanced Security & Flexibility

The growing markets of business and consumer connected devices and the Internet of Things (IoT) represent huge potential. Industry estimates for the number of unique IoT applications developed by 2020 are a quarter of a million, and predictions for connected devices in 2020 range from 24 billion to 200 billion, which may rise as high as 500 billion in 2030. The global IoT market has been forecast to be worth $14 trillion by 2022. However, connected devices, regardless of their communication technology, often require flexible application lifecycle management with trusted secure provisioning and updating. Robust MULTOS technology, a highly versatile platform, meets these requirements.

Secure: End to End Protection

Public Key Infrastructure (PKI) is IT industry renowned as the optimal architecture for combined flexibility and security. MULTOS utilises PKI at its core to secure endpoint connected devices. Solution and service providers can leverage MULTOS Trust Anchors comprising embedded integrated circuits with the loaded MULTOS operating system. This provides an ultra-secure execution environment which protects the device from malware and other digital attacks. Critical data transmission can also be secured to and from the device. MULTOS Trust Anchors are supported by cryptographic services via hosted or licensed MULTOS Certificate Authority platforms, facilitating full end-to-end protection.

Flexible: Provisioning & Updating

Connected device applications can be pre-loaded within MULTOS Trust Anchors, or loaded remotely by the service at a later date. The robust MULTOS core PKI architecture facilitates flexible, cost effective, real-time provisioning, and the ability to provision without a host system secure channel connection accessing on-line device keys. With efficient application updating, or removal if needed, these innovative features allow more versatile device lifecycle management, thus enhancing functionality and extending the device longevity.

Open: Vendor Agnostic Technology

MULTOS is an open standard, managed by a diverse and open industry consortium, ensuring a flexible market eco-system for all members and users of the technology. Membership continues to grow as more businesses leverage the benefits MULTOS provides for secure applications and IoT devices.