



Personalization



Electronic device personalization in production

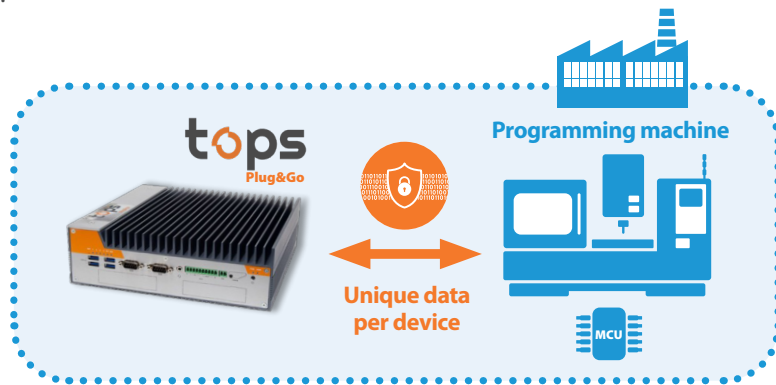
- **Address the personalization** needs of manufacturers and integrators (OEM, ODM, EMS...) for unique and common data per device.
- **Target connected devices** based on programmable components (MPU, MCU, FPGA...).

OVERVIEW

Personalization involves **assigning unique identifiers/data** to individual components in production, enabling supply chain **traceability, regulatory compliance, application to operate, product lifecycle management** and much more.

Today's solutions for unique identifiers/data generation and injection in production are time consuming, difficult to put in place in an effective way and hard to scale.

Trusted Objects provides **tops Plug&Go-Personalization** to address these personalization challenges, to simplify and optimize the full process.



TOPS PLUG&GO PERSONALIZATION SERVICE BENEFITS

1 **Increase security**
Reduce complexity and cost

- **Secure** and **simplify** the personalization process
- **Remove room** for human errors
- **Ensure trust** in the manufacturing operations

2 **Automate and scale**

- **Fully automate** the personalization and provisioning operation
- **Fit** with volume increase in production

3 **Flexibility**

- **Can be used** with any device or chipset
- **Easily integrated** with most of programming equipments and test benches



Product features and services

Services

- Generate and inject unique data per device (Serial number, MAC address, config parameters,...)
- Generate and inject common data per device (firmware, common configuration parameters,...)
- Generate random data
- Provision data from input file
- Concatenate various data from different sources and generate unique data for personalization
- Encrypt data before programming
- Secure storage in the programming facility
- Overproduction control: signed whitelist and blacklist, signed batch report
- Commissioning of the application server



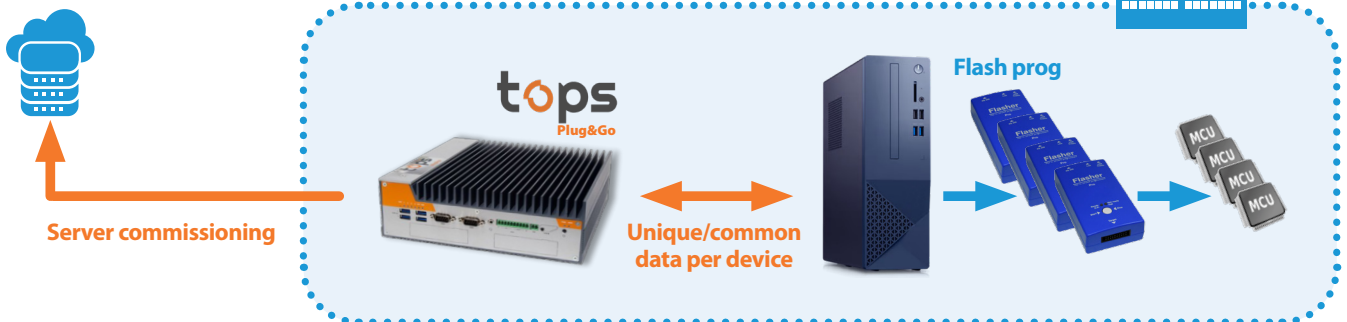
Ressources

- Credits for a preset number of personalizations
- Technical support for installation
- Full set of documentation

Secure computer

- Portable industrial computer
- 256 GB SSD
- TPM 2.0 / HSM
- Secure OS and SW update
- Secure connection to the device programmer
- Application server with User interface (UI)

OEM application server



Pay-per-use business model

Initial setup fee + Licensing based on the number of secure personalization operations

Who are we ?

Trusted Objects is a leading player in cybersecurity technologies for embedded systems.

Trusted Objects products and services for constrained devices are positioned to create trust all along the value chain including edge devices, networks, clouds and manufacturing.