

eUICC remote SIM/eSIM provisioning solution

When looking for connectivity solutions for connected devices, original equipment manufacturers (OEMs) must consider the full lifecycle for each device.

1. Assembly and test in a factory, potentially offshore: cost-optimized data plan for the assembly line test scenario
2. Change of ownership: once assembled, appliances sold to several companies each packaging their own services with custom configuration
3. Field deployment in many regions via distributors, installers, retail: different MNOs
4. Operational life where a service is offered to end-customers: different data plans depending on end-customer level of service

Each part of the lifecycle presents challenges for managing the connectivity through SIMs, provisioning, carriers and costs.

Avnet's eUICC (Embedded Universal Integrated Circuit Card)

is a turnkey plug-and-play solution with the most flexible and open cellular connectivity option on the market. This solution is a combination of a unique product and many innovative services:

- A GSMA 3.2 eUICC manufactured by IDEMIA
- Pre-installed with a BICS global multi-IMSI profile
- An initial pre-paid cellular connectivity allowance on BICS networks (2G/3G/4G/Cat-M/Cat-NB)
- Enables cellular connectivity just like a classic SIM
- Provisioned for life on Avnet's Subscription Management Platform (SMP)
- Remotely reprogrammable from Avnet's SMP, enabling secure management of MNO profiles
- Local management and low-power management applets enhancing device battery life
- Able to host several MNO profiles concurrently
- Transferable on request to the SMP of your choice



BENEFITS

- Enables cellular connectivity just like a classic SIM
- Remotely reprogrammable, enabling management of your connectivity subscription
- Able to host several subscriptions

TARGET APPLICATIONS

- Asset/inventory management
- Water management system
- Environmental sensing
- Vehicle tracking
- Remote medical equipment
- Digital signage
- Industrial control monitoring

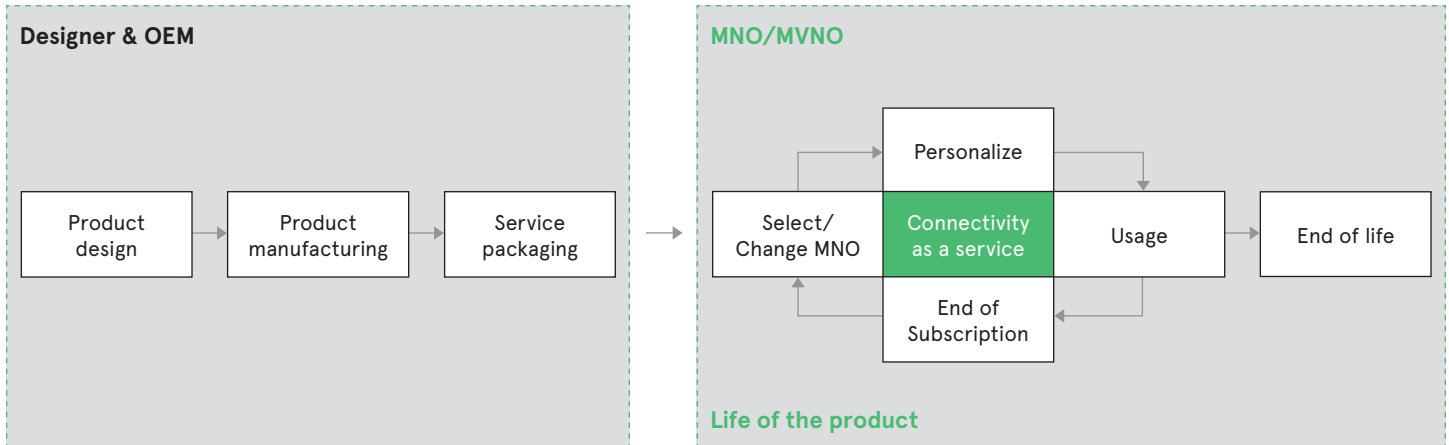
SOLUTION INCLUDES

- Avnet/IDEMIA eUICC chip
 - 2/3/4FF: Plastic format
 - MFF2: Chip format
 - MOQ: Box of 50 & 500, reel of 3K (MFF2)
- Pre-installed profile (bootstrap) of partner carrier
- Pre-paid communication with production carrier for factory testing

SOLUTION BENEFITS

The eUICC enables flexible connectivity. This new generation of SIM cards makes it possible to change the mobile network subscription over the air thanks to a service platform compliant with the latest GSMA standards. The service platform manages eUICC subscriptions of the fleet of devices in an SaaS (Software as a Service) mode. A secure database linked to the platform delivers status information in real time about all connected devices deployed in the field, such as which profile is loaded or whether the status is active.

FLEXIBILITY WITH eUICC



FEATURES

A FUTURE-PROOF BUNDLE AND BUSINESS MODEL

This bundle offering includes initial connectivity, provided by BICS, Vodafone or Arkessa, making it possible to perform production test procedures (eUICC administration, factory test and data-link test between each device and the cloud server).

MODEM COMPATIBILITY

The eUICC has the same electrical interfaces to a modem (2G/3G/4G/Cat-M/Cat-NB) as a classically slotted SIM card (2FF, 3FF, 4FF).

GSMA COMPLIANCE

Avnet's eUICC and remote SIM provisioning are GSMA 3.2-compliant and therefore fully interoperable, yielding a truly open and future-proof solution.

FEATURED PARTNERS



ORDERING OR TEST PACK INFORMATION

Contact your Avnet representative to learn more or order.