

Product brief

OPTIGA™ Connect Consumer OC1120

eSIM turnkey solution for cellular-connected consumer devices

OPTIGA™ Connect Consumer is a ready-to-connect embedded SIM (eSIM) solution for consumer devices. It is especially suited to extending cellular connectivity to smaller devices like smart watches, fitness trackers, and other wearables.

OPTIGA™ Connect Consumer represents the next generation of eSIMs implementing GSMA's technical specification for mobile consumer devices. This turnkey solution securely authenticates the device to the subscribed carrier network of choice. Remote SIM provisioning (RSP) allows the user to change or add carriers over the air provided the device is equipped with a local profile assistant (LPA).

Increased customer convenience

OPTIGA™ Connect Consumer enables consumers to easily manage their subscriptions for a truly convenient experience.

With up to 800 kByte of free user memory, OPTIGA™ Connect Consumer has ample space for multiple network operator profiles as well as additional applications and user data.

More design flexibility

With its ultra-small package size of 2.9 x 2.5 x 0.4 mm, OPTIGA™ Connect Consumer gives device designers added freedom by reducing the PCB space required by a factor of 30 relative to a standard SIM slot. OPTIGA™ Connect Consumer is also available in an ETSI MFF2-compliant package.

Future ready device

OPTIGA™ Connect Consumer implements all relevant specifications issued by GSMA, Trusted Connectivity Alliance and 3GPP to offer full 5G compliance.

Based on a solid security platform

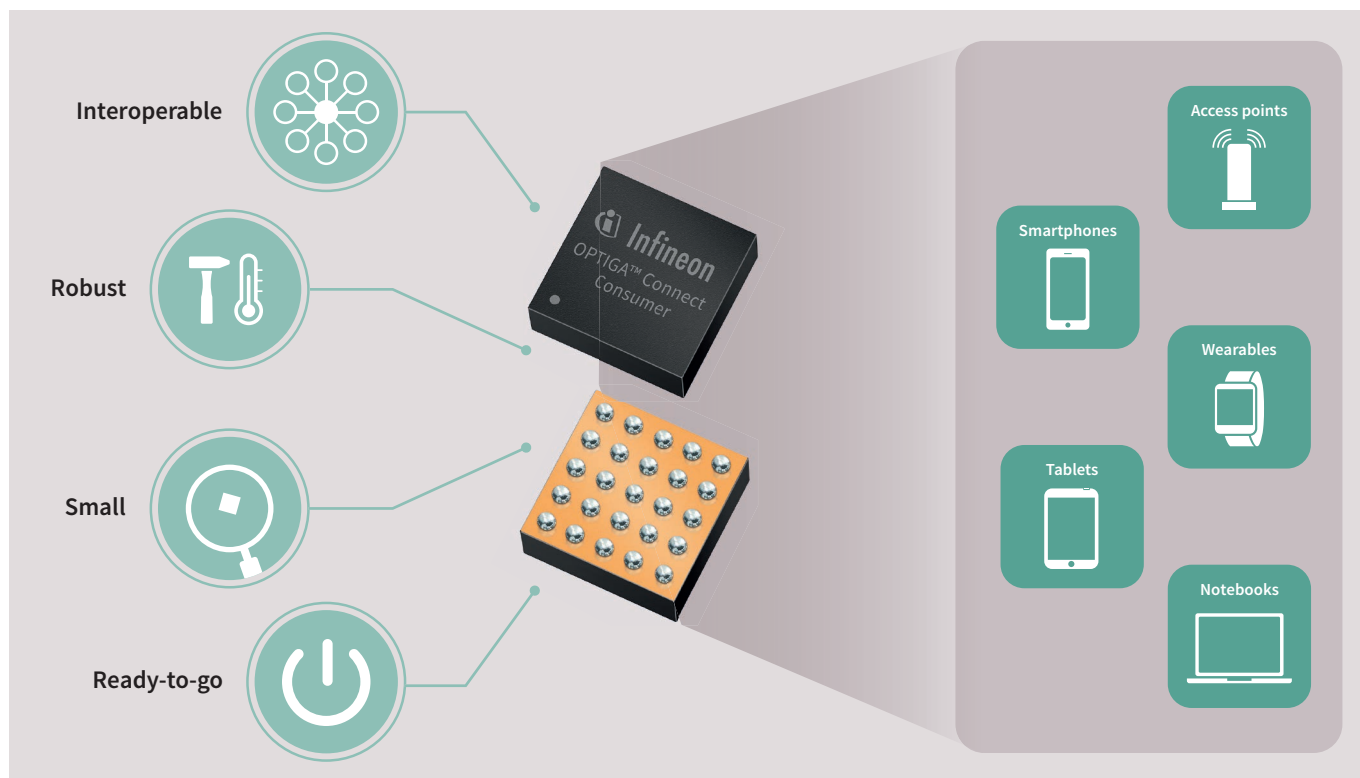
Building on a security controller platform certified to Common Criteria EAL6+, OPTIGA™ Connect Consumer security is evaluated according to the BSI-CC-PP-0100-2018 profile specified in GSMA SGP.25.

Key features

- › Compliant with network technologies 2G, 3G, 4G (LTE), 5G
- › Network Access Applications: SIM, USIM, CSIM, RUIM, and ISIM
- › Remote SIM Provisioning (RSP) compliant with GSMA SGP.22 v2.2
- › Compliant with Trusted Connectivity Alliance (TCA) eUICC profile package V2.3
- › Chip-scale (2.9 x 2.5 x 0.4 mm) and ETSI MFF2 (5.0 x 6.0 mm) packages
- › Interoperable with MNOs offering commercial eSIM services
- › Up to 800 kByte free memory for MNO profiles, applications, and data (supporting integration of additional applets)
- › Security evaluated acc. to the BSI-CC-PP-0100-2018 specified in GSMA SGP.25
- › Voltage classes: B, C
- › Temperature: -25 to +85°C
- › Data retention: 10 years

Key applications

- › 3G/4G/5G cellular devices such as
- › Handsets
- › Wearables
- › Laptops
- › Tablets
- › Access points
- › Consumer IoT devices



Product variants and target markets

Product name	Parameter	Package	Applications
OC1120-0810WLB25	Up to 800 kByte free user memory	SG-XFWLB-25-3 (chip scale package)	Handsets, laptops, tablets, wearables, access points, consumer IoT devices
OC1120-0810VQFN8	Up to 800 kByte free user memory	PG-VQFN-8-4 (ETSI MFF2)	

OPTIGA™ Connect product family

OPTIGA™ Connect Consumer is part of Infineon's OPTIGA™ Connect product family of turnkey eSIM solutions. Reaching beyond the typical connectivity, identification and authentication functionality required of eSIMs, Infineon's OPTIGA™ Connect product family takes performance and ease of deployment to the next level. It combines certified, best-in-class Infineon security hardware with a fast interoperable operating system. OPTIGA™ Connect solutions are optimized for the specific requirements of industrial and IoT applications as well as those of consumer devices.

Please contact your nearest Infineon representative and find out more at www.infineon.com/OPTIGA-Connect



www.infineon.com

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