What's an eSIM (embedded SIM)?

The eSIM is a small silicon chip that provides a secure vault for storing mobile subscription details (e.g., credentials to connect to the mobile network) into a secure and trustful digital format. eSIM is standardized by recognized industry bodies (GSMA, ETSI, Global Platform, SIMalliance).

How many mobile operators have launched or plan to launch consumer eSIM services?

6

200 mobile network operators

90 countries across 5 continents

How many smartphones support eSIM?

5

Yearly shipment of eSIM-compliant smartphones

2019: 102 million

2024: 509 million

What are the benefits of eSIM?

Enjoying ultra-flat and waterproof devices thanks to physical space saving and miniaturized chip design.

Increasing the number of connected devices per user.

Enhancing the overall customer experience thanks to the digitalization of the mobile subscription onboarding process.

Extending the mobile connectivity reach to new typologies of consumer connected devices.

Simplifying mobile operators' logistics.

In which consumer device can you find an eSIM?

50+ commercial eSIM-capable devices

Some examples:

Apple iPhone
Google Pixel
Motorola Razr
Samsung Galaxy Fold & S20
Asus NovaGo & Swift 7
Lenovo Miix 630
Microsoft Surface Pro
Apple iPad
Huawei Dtab Compact & Water Play 10.1
Apple Watch
Huawei Watch 2
Samsung Gear & Galaxy Watch

What's the size of an eSIM?

The eSIM occupies 60 times less volume than the nano SIM.

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200

5 continents

Thales, world’s number 1 provider for eSIM and eSIM solutions

(1) Counterpoint (July 2019)

For more information, please visit:
http://www.gemalto.com/esim/