6 key points to understand what an eSIM is

What’s an eSIM (embedded SIM)?
It’s a silicon chip that provides a secure vault for storing mobile subscription details (e.g. credentials to connect to the mobile network…) into a secure & trustful digital format.
eSIM is standardized by recognized industries bodies (GSMA, ETSI, Global Platform, SIMalliance).

What’s the size of an eSIM?
The eSIM occupies 6x times less volume than a nano SIM:
- 41.5 x 2.0 x 2.0 mm
- 16.25 x 1.67 mm
- 2.5 x 2.3 x 0.2 mm
- 12.3 x 8.8 x 0.67 mm
- 15 x 12 x 0.76 mm

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

How many smartphones support eSIM?
More eSIM-ready smartphones will come on the market.

Source: ABI Research (February 2020)

How many mobile operators have launched or plan to launch consumer eSIM services?
6

Source: Thales

How many smartphones support eSIM?
5

Yearly shipment of eSIM-compliant smartphones

Source: Counterpoint (July 2019)

In which consumer device can you find an eSIM?
50+ commercial eSIM-capable devices
- 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

Apple iOS, Android and Wear OS by Google and Windows 10 operating systems support eSIM.
Thus more eSIM-compliant devices are expected soon.

Who are the top eSIM providers?
Thales, world’s number 1 provider for eSIM and eSIM solutions

What’s an eSIM?