



simWISE™



Product Description

Telit simWISE embedded software technology for cellular modules acts as a replacement or complement to the traditional SIM card and its tray for manufacturers of cellular connected devices. simWISE technology reduces manufacturing costs and improves functionality. The simWISE technology is applicable across all industries and markets.

The module embedded software technology performs the same functionality of a SIM card.

Telit simWISE employs cyber-security technology covering the entire life-cycle chain from provisioning to manufacturing and end-point provisioning. The program and methodology meet security criteria set by MNOs globally.

Telit simWISE-enabled modules are loaded with profiles in Telit's secure production facilities. The network profiles may be switched locally via the customer application, or remotely.

Key Benefits

- Lower total cost of ownership
- Improved form-factor
- Global interoperability
- Streamlined logistics and provisioning
- Quality of service (QoS)
- Over the air life-cycle management (available on 4G only)

[EMEA](#)

[North America](#)

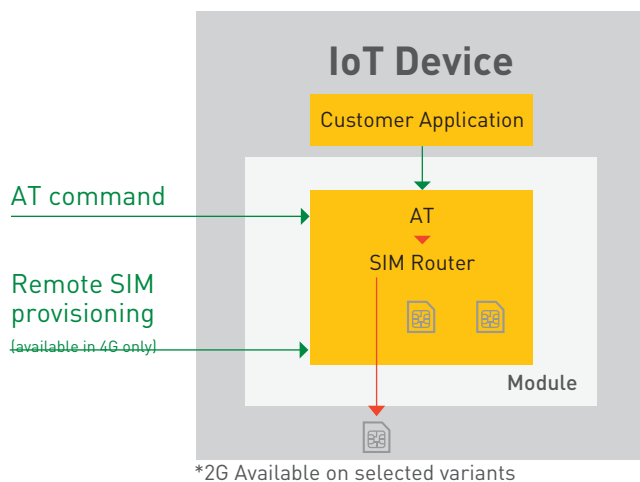
[Latin America](#)

Compatibility Table

Date	Technology	Module
JUNE 2017	2G GSM GPRS	GE910 V3
		GL865 V3/V3.1
		GE866
Date	Technology	Module
JANUARY 2020	LTE-M, NB-IoT	ME910*
		ML865

*2G Fallback for selected variants

simWISE: How it Works



- Management of up to 10 pre-loaded profiles
- Switch from physical SIM to simWISE and vice versa (both SIMs can co-exist on the same device)
- Both options may be triggered locally via the customer application or remotely
- Connectivity troubleshooting on the edge device
- Ability to download a profile to the module over-the-air (LTE-M / NB-IoT only)

SIM OS open standards:

	2G	LTE-M, NB-IoT
GSM – Commands and security based on 3GPP TS 11.11	x	x
Network authentication – COMP128-2/3	x	x
Cryptography – CRC32, DES, 3DES	x	x
File system – File definition and access control based on 3GPP TS 11.11	x	x
OTA – OTA RFM security based on 3GPP TS 03.48	x	x
I/O – Interface (APDU) support based on ISO 7816-3	x	x
Milenage network authentication		x
Remote SIM provisioning based on GSMA SGP.02 v3.1		x
Global platform 2.2.1		x

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