

simWISE™

2G



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 stores MNO credentials of selected Telit partners performing the same functionality of a SIM card.

Telit simWISE employs cyber-security technology covering the entire life-cycle chain from MNO provisioning to manufacturing and end-point provisioning. The program and methodology meet security criteria set by MNOs globally and have been approved by Tele2, Sweden.

Telit simWISE-enabled modules are loaded with MNO profiles in Telit's secure production facilities. The network profiles may be switched locally via the customer application, or remotely using Remote AT Commands from the Telit IoT Portal.

Key Benefits

- Lower total cost of ownership
- Improved form-factor
- Global interoperability
- Streamlined logistics and provisioning
- Quality of service (QoS)

[EMEA](#)

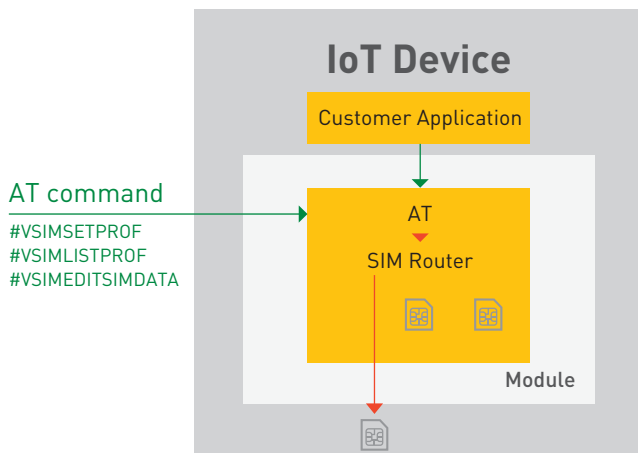
[North America](#)

[Latin America](#)

Compatibility Table

Date	Technology	Module
JUNE 2017	2G GSM GPRS	GE910 V3
		GL865 V3/V3.1
		GE866

simWISE: How it Works



- Management of up to 10 pre-loaded MNO 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 storing AT command
- Connectivity troubleshooting on the edge device (LOCI and FPLMN reset)

SIM OS open standards:

GSM – Commands and security based on 3GPP TS 11.11
 Network authentication – COMP128-2/3
 Cryptography – CRC32, DES, 3DES
 File system – File definition and access control based on 3GPP TS 11.11
 OTA – OTA RFM security based on 3GPP TS 03.48.
 I/O – Interface (APDU) support based on ISO 7816-3

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