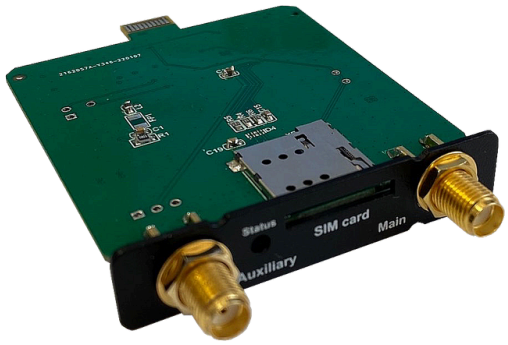
VT740 / LTE modem (for VT335t, VT336t, VT825t, VT855t, VT960t)

- Usage
- Technical specifications
- Package content
- Panel
- Installation
- Setting up GSM modem
- LTE modem mode
- Other articles of interest
- Frequently asked questions:

Product page: https://vutlan.com/modems/165-vt740-lte-modem.html

Datasheet page: https://vutlan.atlassian.net/wiki/spaces/DEN/pages/2735931393/VT740+LTE+slot+modem



Usage

Allows to receive and send SMS messages (2G, 3G). Provides Ethernet over LTE (4G).

VT740 allows you to receive notifications over Ethernet, SMS notifications, SNMP connection, and others.

Provides network reservation: e.g. if the LAN connection fails, the Ethernet connection is secured using LTE 4G.

Can be installed in VT335t, VT336t, VT825t, VT855t, and VT960t monitoring systems. Power cycling is an embedded function.

> The same PCB of VT740 is used for `i` and `t` series (e.g. VT335i and VT335t). But The metal enclosures use a different metal panel for holding the modem. `t` series have an additional screw to hold the panel. Thus the installation is slightly different. But in all other regards, it is the same.

Technical specifications

Function & purpose	Description
Used for:	Network reservation, SMS notification messages, Ethernet access, Control over AT commands
Device type:	Extenion slot
Used for:	VT335t, VT336t, VT825t, VT855t, VT960t monitoring systems

Communication	**Description**
Chip:	SIMCom, SIM7600E
Frequency Bands Supported:	**2G**: GSM 900 (B8), GSM 1800 (B3) **3G**: UMTS 900 (B8), UMTS 2100 (B1) **4G**: LTE 900 (B8), LTE 1800 (B3), LTE 2100 (B1)
TX - GSM:	900 MHz to 12.75 GHz
TX - LTE:	30 MHz to 12.75 GHz
Specific Frequencies and Frequency Bands Supported:	• **2G**: ◦ 900 MHz (B8): 902.40 MHz ◦ 1800 MHz (B3): 1750 MHz • **3G**: ◦ 900 MHz (B8): 883.53 MHz ◦ 2100 MHz (B1): 1922.60 MHz • **4G**: ◦ 900 MHz (B8): 899.45 MHz ◦ 1800 MHz (B3): 1745.63 MHz
GNSS:	gpsOne Gen 8B;standalone;assisted,XTRA
Uplink:	up to 5Mbps
Downlink:	up to 10Mbps
General	**Description**
Manufactured in:	Slovak Republic, EU. Vutlan s.r.o.
HS code:	9025 11 800
GTIN:	8588009886341
Certificates:	ROHS, REACH, CE

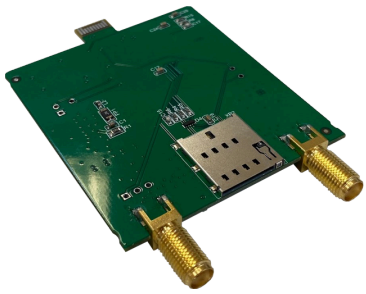
Package content

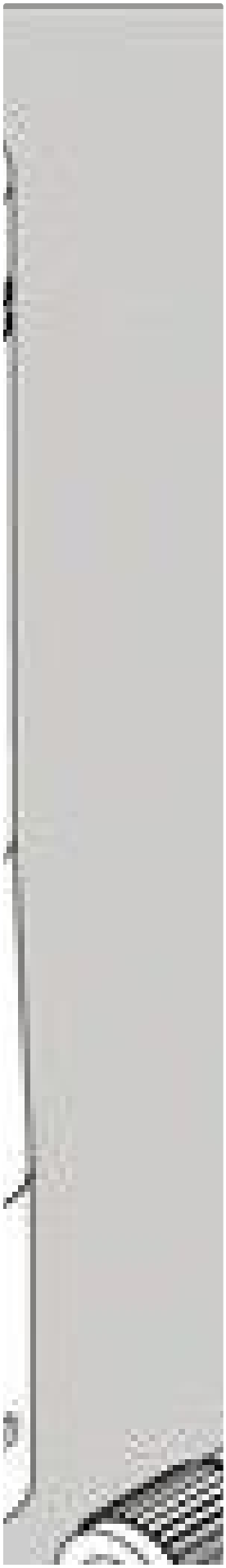
Make sure that the contents of the delivery meet the following configuration.

Report a missing or damaged component to your supplier.

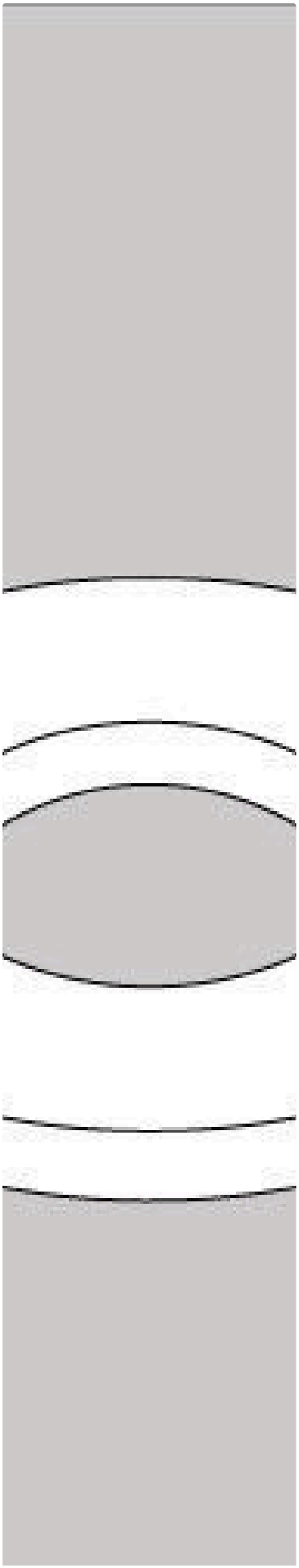
If damage occurred during transportation, contact the appropriate delivery service.

Package content	Description

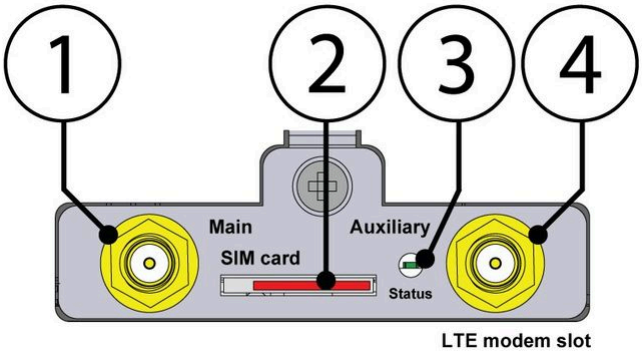
1		x1 LTE modem PCB board

2		x2 LTE antennas

3		x2 pieces

4		x2 pieces

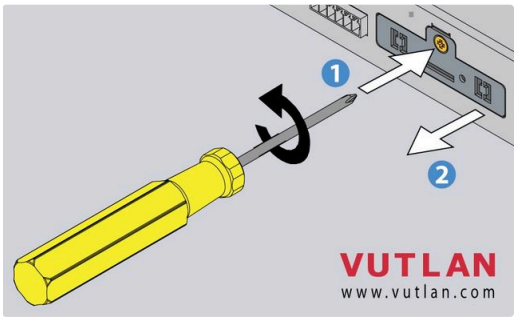
Panel



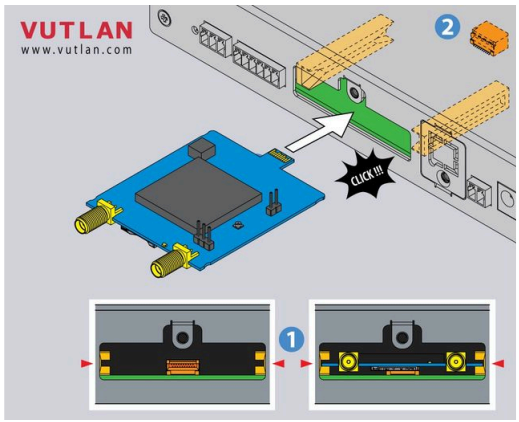
1. "**Main antenna**" - Connector, used when the modem is installed inside of the appliance to connect the LTE main antenna. (The main antenna is supplied together with the modem).
2. **"SIM card"** - SIM card slot with an injector.
3. "**Status**" - displays modem status. Blinking = working.
4. "**Auxiliary**" - Connector, used when the modem is installed inside of the appliance to connect LTE auxiliary antenna. The additional antenna helps to strengthen the signal level. (Auxiliary LTE antenna is supplied together with the modem).

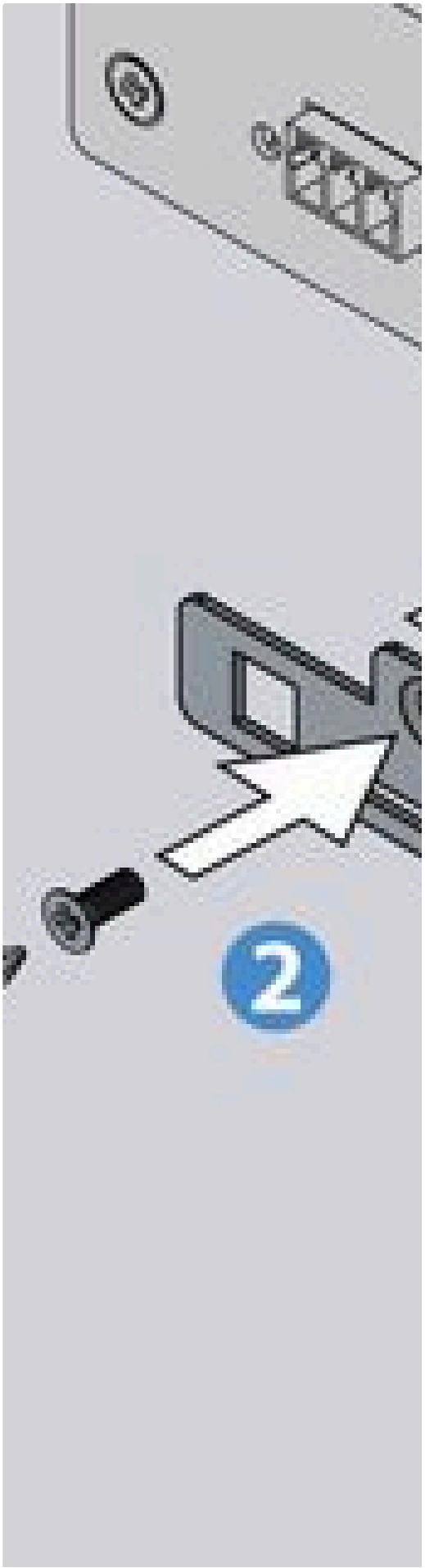
Installation

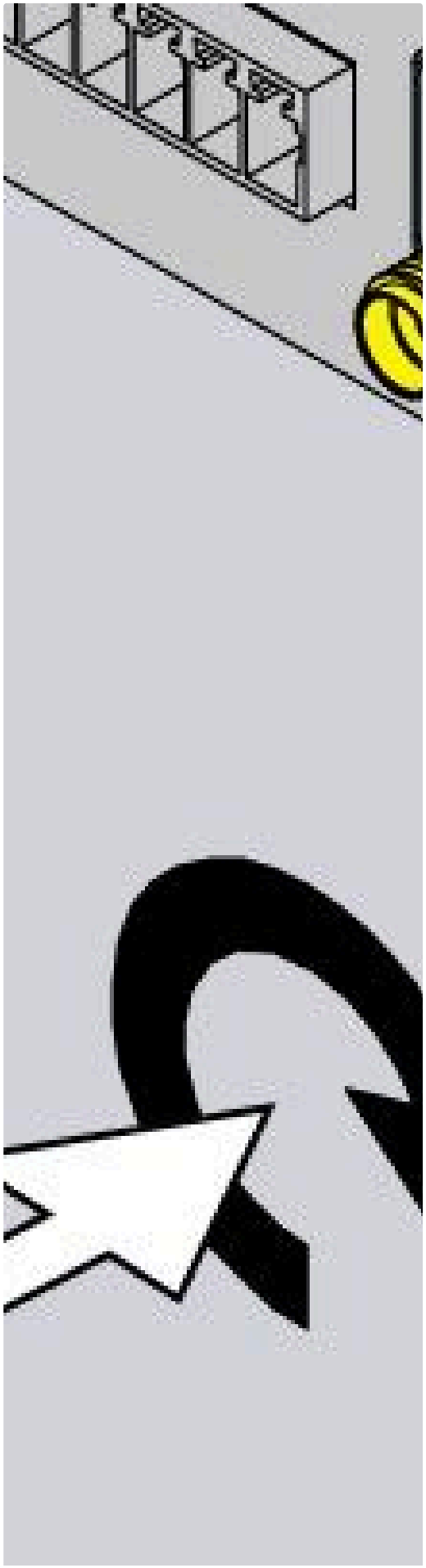
You can install the modem while the system is turned On. You may wait up to 3 minutes until the Telecom operator information is renewed.

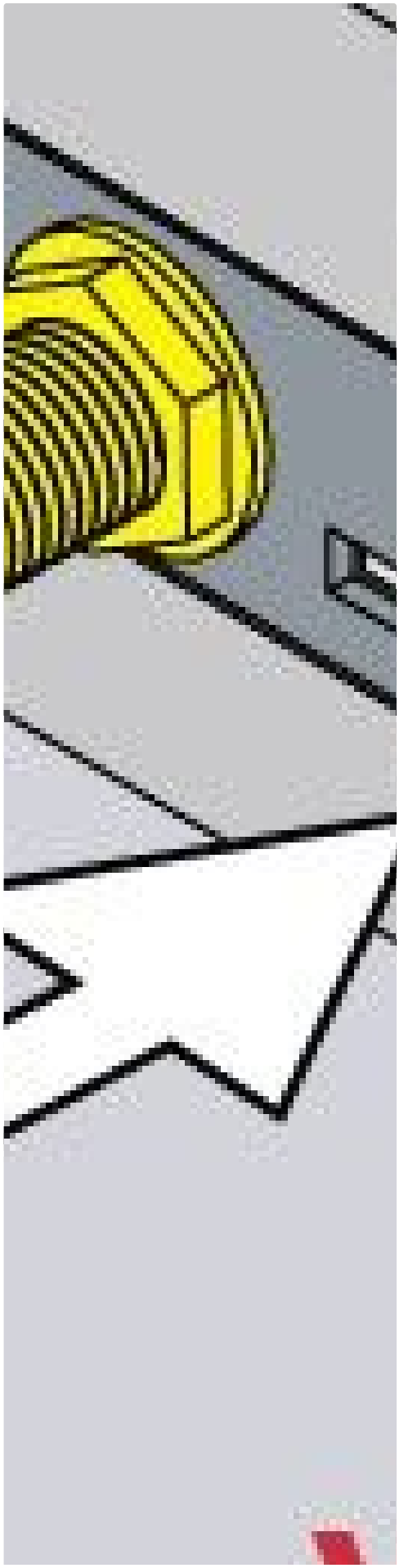
Step 1		Unscrew the M3 screw from the **LTE metal panel**.

Step 2		Use the **wire cutter tool** to cut off the **metal inserts.** You can dispose of the metal inserts.

Step 3		Plug the **VT740 slot modem** as shown on the picture into the opening. The board should slide into the guide rails (marked as “1”) and plug into the jack (marked as “2”).

Step 4		Put the **LTE metal panel** back in (marked as "1"). Screw the **M3 screw** back in fixating the **LTE metal panel** (marked as "2").

Step 5		Screw the main LTE antenna into "**Main" antenna**" jack. If you want to strengthen the signal, you can screw in the second auxiliary antenna into "**Auxiliary**" jack.

Step 6		Plug in the **micro SIM card**. The SIM card slot has an **injector**.

Step 7		You are ready to go! Turn on the system. You can install the modem while the system is turned On. You may wait up to 3 minutes until the Telecom operator information is renewed.

Setting up GSM modem

Page linked https://vutlan.atlassian.net/wiki/spaces/DEN/pages/625016833/Setting+up+GSM+modem

LTE modem mode

Page linked https://vutlan.atlassian.net/wiki/spaces/DEN/pages/616923140/LTE+modem+mode

Other articles of interest

- Sending SMS via another Vutlan device equipped with a GSM modem (SMS Gate) (link)
- Incoming SMS forwarding and SMS commands
- How to use SMS commands
- Send SMS through the Vutlan device
- OpenVPN client

Frequently asked questions: