



The LTE Interface expands a LOYTEC device with a wireless mobile connection in the LTE network of a mobile provider. The LTE Interface can be connected to the USB port of most LOYTEC devices. Power to the LTE Interface is supplied through the 24 VDC power connector.

The integrated LTE module uses the communication standard for LTE, UMTS/HSPA+ and GSM/GPRS/EDGE. It is approved for:

- Carrier Certification: Deutsche Telekom/Verizon/AT&T/Sprint/U.S. Cellular/Telus/T-Mobile/Rogers*
- Regulatory Certification: SRRC/NAL/CCC/GCF/CE/FCC/PTCRB/IC/Anatel/IFETEL/KC/NCC/JATE/TELEC/RCM/NBTC/ICASA/IMDA

After attaching an LTE-800 Interface to the USB port of the corresponding LOYTEC device, the LOYTEC device retrieves its IP configuration from the LTE provider. Together with the built-in VPN function, the LOYTEC device connects and can be accessed via the OpenVPN network technology. This ensures a secure communication path through the LTE network. All networking services of the LOYTEC device are available on the LTE interface and protected by the built-in firewall.

The LTE-800 Interface provides for an easy and simple solution to connect remote sites together via a VPN network and expose defined on-site services. Applications include remote management, energy monitoring, site visualization.

SMS transmission directly from the device is also enabled by the LTE-800 interface. Similar to E-Mails, SMS can contain configurable text and variable placeholders that resolve to data point content at the time of transmission. Together with an alarm data point the LTE-800 can be used as an SMS alarm notifier. The transmission of SMS can be limited to burst and long-term transmission rates.

Features

- Configuration through Web interface
- Easy mobile site integration using VPN technology
- OpenVPN compatible
- SMS transmission and alarm notifier
- Supports LTE standards

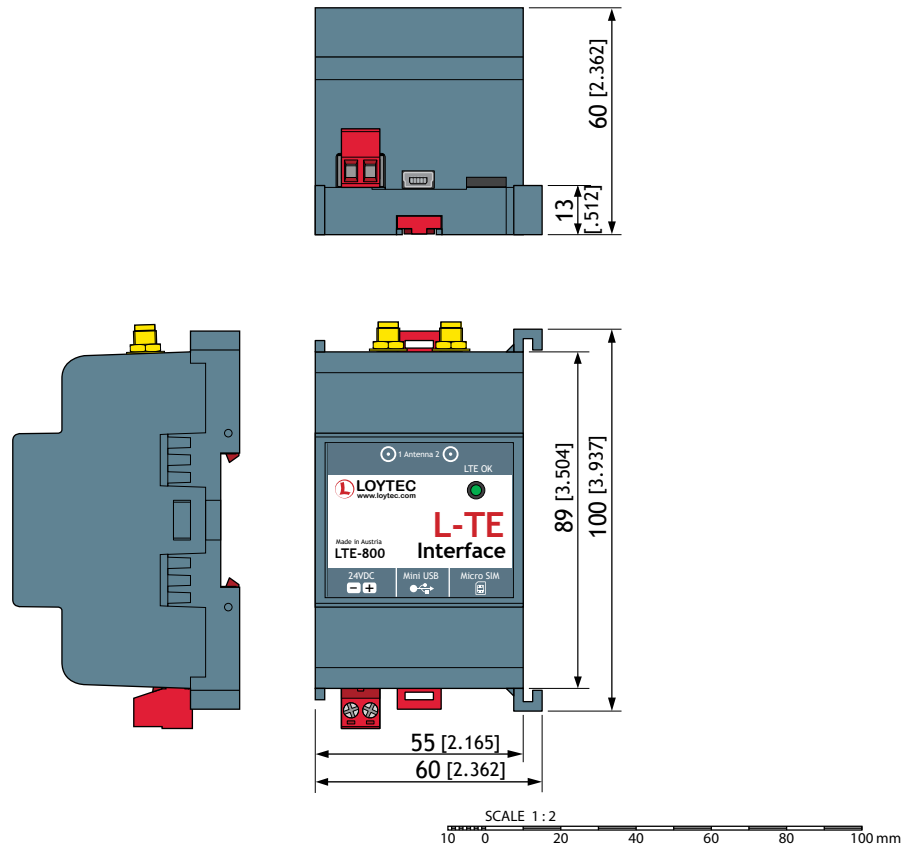
Specifications

Type	LTE-800
Dimensions (mm)	55 x 100 x 60 (L x W x H), 3 DU, DIM010, LTE Antenna, DIM060
Installation	DIN rail mounting following DIN 43880, top hat rail EN 50022 The external LTE antenna has to be installed outside any metallized enclosure.
Power supply	24 VDC, typ. 4.5 W
Operating conditions	0 °C to 50 °C, 10–90 % RH, noncondensing, degree of protection: IP40, IP20 (terminals)
Storage conditions	-20 °C to +70 °C
Installation	Connected with a standard USB 2.0 cable, max. 5 m
Interfaces	1 x Mini USB 2.0 Type B 1 x Micro SIM 2 x SMA LTE Antenna
Standard	LTE, UMTS/HSPA+ and GSM/GPRS/EDGE
LTE RF characteristics	Maximum output power: +25 dBm
WCDMA (UMTS) RF characteristics	Maximum output power: +25 dBm
GSM RF characteristics	Maximum output power: +35 dBm
Tools	Configuration via web interface
For use with	L-INX Automation Servers, L-GATE Gateways, L-ROC Room Controllers, L-DALI Controllers, L-VIS Touch Panels, L-IOB I/O Controllers, LIP-xECTC, LIP-ME20x, NIC709-IP3E100C
Order number	Product description
LTE-800	LTE Interface

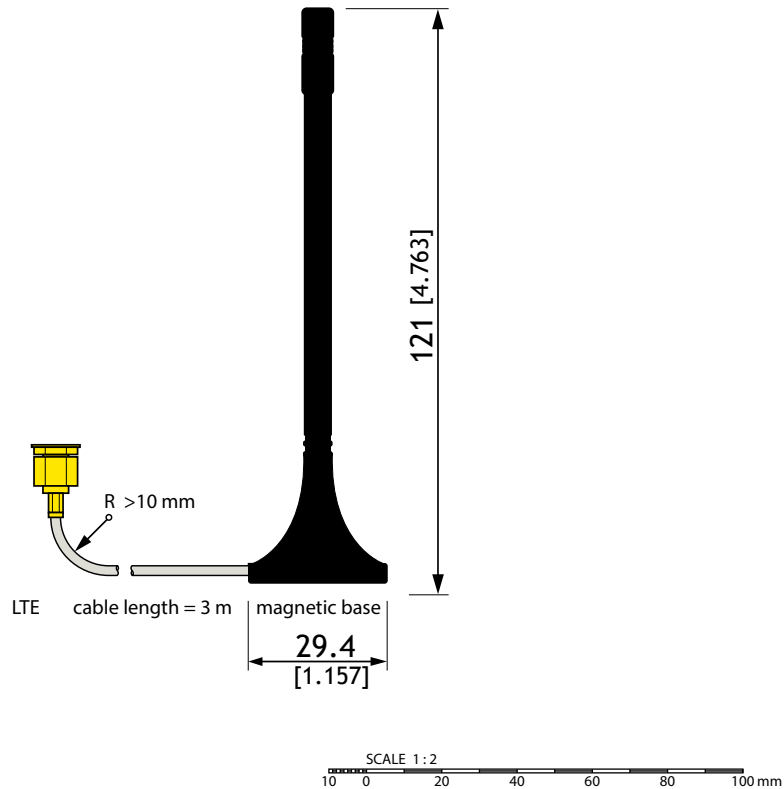
* Under development

Dimensions of the devices in mm and [inch]

DIM010 LTE-800



DIM060 LTE Antenna 700 - 2600 MHz



The products of LOYTEC electronics GmbH are subject to constant development. Therefore, LOYTEC reserves the right to modify technical specifications at any time without prior notice. The most recent datasheet can be downloaded from www.loytec.com.