



TRM282

GLOBAL 4G MODEM



Energy &
utilities



Industrial &
automation



Retail



Smart city

GLOBAL LTE

Ensure reliable global connectivity with Telit Cat 4 module

DUAL INTERFACES

Seamlessly bridge modern and legacy equipment with USB & RS232

INTEGRATED GNSS & DI/DO

Expand connectivity options with built-in GNSS and digital input/output

2 X MOBILE ANTENNAS

Improve signal stability in industrial environments

Mobile

Mobile module	4G (LTE) – LTE Cat 4 150Mbps DL, 50Mbps UL; 3G – 42 Mbps DL, 5.76Mbps UL
3GPP Release	Release 8

Power

Connector	1 x 4-pin industrial DC power socket 1 x USB Type-C (The USB host must provide 5V @ 3A to power the device via the USB Type-C port)
Input voltage range	4-pin: 9 - 30 VDC, overvoltage protection, reverse polarity protection, surge protection >51 VDC 10us max USB Type-C: 5 VDC
Power consumption	Idle: < 0.4 W, Max: < 4 W

Physical Interfaces

Status LEDs	1 x Power LED, 1 x Status LED
SIM	1 x SIM slot (Mini SIM - 2FF, internal SIM holder), 1.8 V/3 V
Power	1 x 4-pin power connector 1 x USB Type-C (The USB host must provide 5V @ 3A to power the device via the USB Type-C port)
Antennas	2 x SMA for Mobile, 1 x SMA for GNSS
Other	1 x Virtual network interface via USB Type-C (For power and network data)

Physical Specification

Casing material	Aluminum housing and panels
Dimensions (W x H x D)	83 x 25 x 85.8 mm
Weight	171 g
Mounting options	DIN rail, wall mount, flat surface (all require additional kit)

Operating Environment

Operating temperature	-40 °C to 65 °C
Operating humidity	10% to 90% non-condensing
Ingress Protection Rating	IP30

TRM SOFTWARE

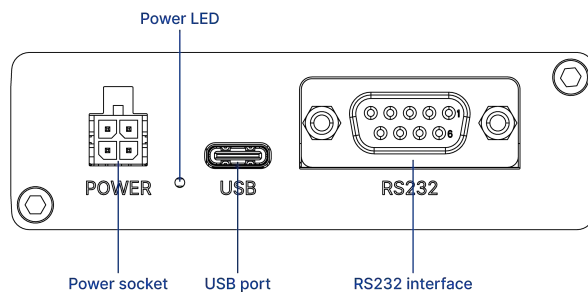
Management Software	Windows Connection Manager, Modem Manager (Linux)
USB Serial Driver	Windows 7/8/8.1/10/11, Linux >5.8, Android 11, 12, 13, 14, 15
GNSS Driver	Android 11, 13, 14
RIL Driver	Android 11, 12, 13, 14, 15
ECM Driver	Linux >5.8
QMI_WWAN Driver	Linux >5.8

Regulatory & Type Approvals

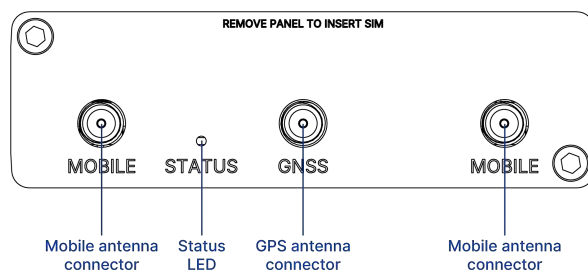
Regulatory	CE, UKCA, CB, RCM, FCC, IC, WEEE, EAC, UCRF
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Hardware

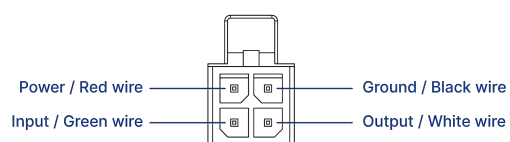
FRONT VIEW



BACK VIEW



POWER SOCKET PINOUT



Ordering

Standard package*



TRM282



QUICK START GUIDE



2 X MOBILE SMA
ANTENNAS



HEX KEY



SIM ADAPTER KIT



USB TYPE-C CABLE

*Standard package contents may differ based on standard order codes.

For more information on all available packaging options – please [contact us](#) directly.

Classification codes

HS Code: 851762

HTS: 8517.62.00

For more information on all available packaging options – please [contact us](#) directly.

Available versions

Hardware version	Supported frequencies	Standard order code / Package Contains
TRM282 A**** Global ^{1 2}	4G: B1, B2, B3, B4, B5, B7, B8, B8_US, B9, B12, B13, B14, B18, B19, B20, B25, B26, B28 3G: B1, B2, B4, B5, B6, B8, B19 2G: B2, B3, B5, B8	TRM282AAAAA0 / Standard package without PSU TRM282AAADA0 / Mass packing code

The price and lead-times for region (operator) specific versions may vary. For more information please [contact us](#).

1 - Regional availability - excluding Russia, Belarus & Iran

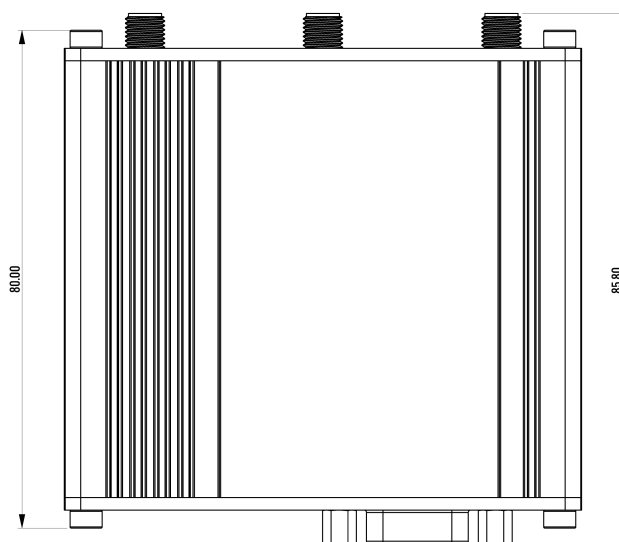
TRM282 spatial measurements

Available versions

Device housing (W x H x D)	83 x 25 x 85.8 mm
Box:	156 x 68 x 144 mm

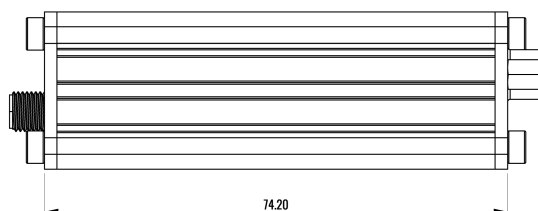
TOP VIEW

The figure below depicts the measurements of device and its components as seen from the top:



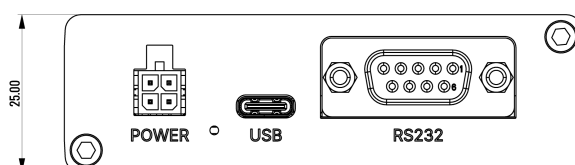
LEFT VIEW

The figure below depicts the measurements of device and its components as seen from the left:



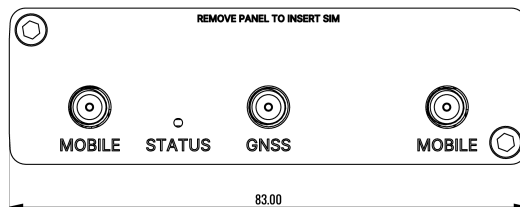
FRONT VIEW

The figure below depicts the measurements of device and its components as seen from the front panel side:



REAR VIEW

The figure below depicts the measurements of device and its components as seen from the back panel side:



MOUNTING SPACE REQUIREMENTS

The figure below depicts an approximation of the device's dimensions when cables and antennas are attached:

