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Teltonika TRB140 4G Modem, Ethernet Port, Passive PoE, USB Slave, Digital I/O

SKU: M2M-TE-00013

MPN: TRB140AU

Barcode: 4779027312408

Description

TRB140 LTE Ethernet Gateway is a small, lightweight and energy efficient IoT device equipped with mission-critical LTE capabilities, a RJ45 10/100/1000 Mbps port and a Linux environment offering a high degree of customisation, designed to do IoT projects with ease.

TRB140's compact design makes this gateway perfect for an application where a sole gadget must be granted reliable Internet connectivity. TRB140 is engineered to be used in an Industrial application therefore it has a wide range of software features such as SMS control, Firewall, Open VPN, IPsec, RMS and FOTA support.

The device is available from Teltonika in a range of form factors, from PCB-only to a full aluminium case variation.

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Based on OpenWRT, this device consists of a durable SBC with an integrated Quectel Cat 4 LTE chipset, with a fully open source and customisable Linux OS. The device has a 512 MB flash memory, with 70 MB allocated for user space applications - allowing additional daemons and custom services to be run to meet your specific application.

Teltonika

In 21 years we have launched to mass production over 100 different devices in IoT, Networking, Connected vehicles, Asset and personal Tracking areas. That makes over 8.600.000 million devices sold worldwide in over 150 different countries. Although these numbers are impressive, Teltonika is more than that – we are about innovating, inspiring, connecting, educating and reliable partnership.

By ...

Network Interfaces

Wireless Interfaces

Cellular Module

Technologies:	3G UMTS, 4G LTE	Chipset/Module:	Quectel EC25

4G LTE Specifications

MIMO:	1x1 SISO	DL Category:	Cat 4
LTE Bands:	B1	UL Category:	Cat 5

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B2

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B3

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B4

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B5

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B7

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B8

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B28

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B40

SIM Cards

Quantity	SIM Type
1	Standard SIM (2FF)

Modem RF Connectors

RF Connector Function	Quantity	RF Interface
Cellular	1	SMA Female

Ethernet Interfaces

Interface	Quantity	Function	Signalling	PoE Input
RJ45 Copper	1	LAN	100BASE-T, 1000BASE-T	Passive PoE

Physical Specification

Subtype:	Cellular Modem	Dimensions:	74 × 64.4 × 25 mm
Min. Operating Temperature:	-40 °C	Weight:	134 kg
Max. Operating Temperature:	75 °C	Materials:	Aluminium
Ingress Protection:	IP30	Mounting:	Teltonika Modem Screw Pattern
		Compliance/Certifications:	CE , RCM , RoHS

IO Interfaces

Quantity	Notes
1	Digital IO via Molex 4-Pin Power Connector

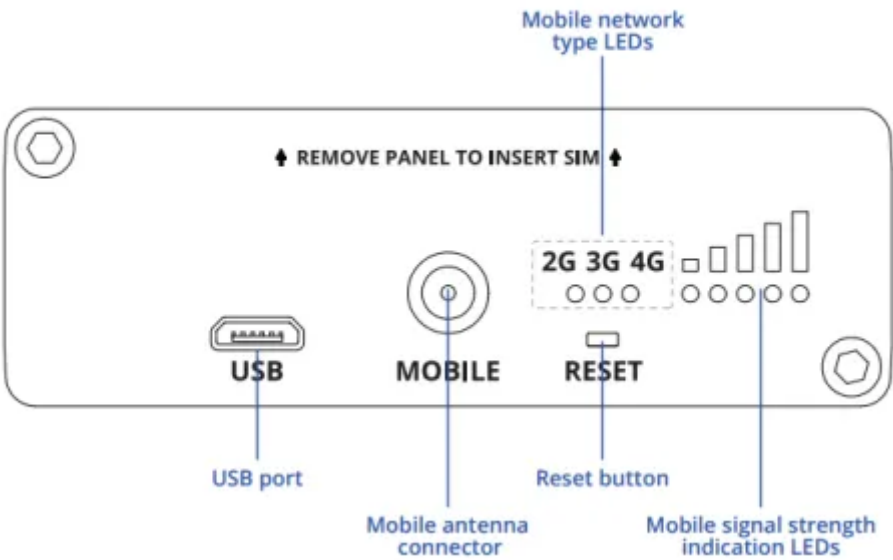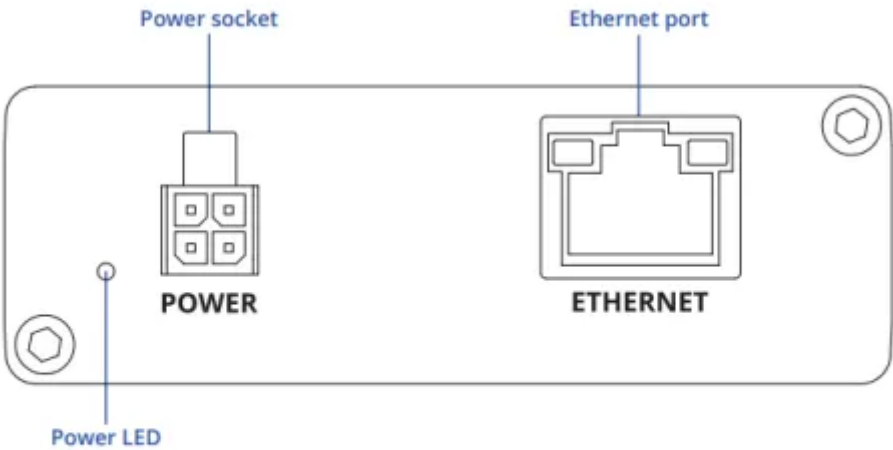# Power Specifications

Max. Consumption:	5 W
Power Options:	DC Power Input Power over Ethernet

Power Interface

Power Connector	Nominal Voltage	Min. Input Voltage	Max. Input Voltage	Voltage Type
Molex, 4-Pin Square Micro-Fit	12 V	9 V	30 V	DC

Drawing

Power socket

Ethernet port

POWER

ETHERNET

Power LED

Mobile network
type LEDs

↕ REMOVE PANEL TO INSERT SIM ↕

2G 3G 4G

USB   MOBILE   RESET

USB port

Reset button

Mobile antenna
connector

Mobile signal strength
indication LEDs