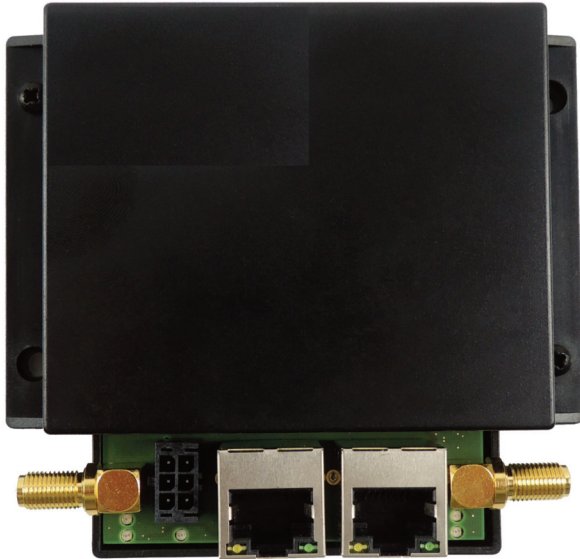


# LTE-Gateway

Mobile gateway



The LTE-Gateway is a Linux-based communication terminal.

For example, data from a machine can be tracked, processed and transmitted to a server on the Internet.

The connection to the Internet can be established via 4G LTE, a local Ethernet network or via a local WLAN.

## Key features & functionalities:

- Quectel LTE Cat 1 module with UMTS/GSM/EDGE fallback
- Quectel EC21-E module integrated
- Signal LEDs
- Linux programmable
- Industrial platform
- Plastic housing
- Mounting with screws



4G LTE



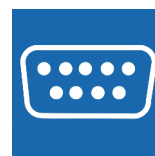
WiFi



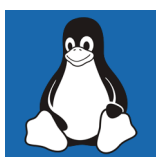
WAN



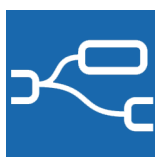
LAN



RS232 (Rx,Tx)



Linux programmable



Node-RED™

# LTE-Gateway

## Mobile gateway



Product	LTE-Gateway	Art.-No.
Model	Gateway	162319
<b>General</b>	<b>Description</b>	
Type	Wireless 4G LTE terminal	x
Dimensions (W x H x D)	99 x 67.5 x 22 mm	x
Weight	approx. 98 g	x
Supply voltage	8 to 30V DC	x
Operation temperature	-20°C to +70°C	x
Housing	Plastic	x
Protection class	IP20	x
Mounting	Screw mounting	x
Module embedded	Quectel	EC21-E
<b>Mobile</b>		
Supporting networks	<b>LTE Cat. 4:</b> Bands: 1, 3, 5, 7, 8, 20 <b>WCDMA:</b> Bands: 1, 5, 8 <b>GSM:</b> Bands: 3, 8	x x x
Transmission rates LTE	Max 10M (DL)/ 5M (UL)	x
Transmission rates DC-HSPA+	Max 42M (DL)/ 5.76M (UL)	x
Transmission rates WCDMA	Max 384k (DL) / 384k (UL)	x
Transmission rates EDGE	Max 236.8k (DL) / 236.8k (UL)	x
Transmission rates GPRS	Max 107k (DL)/ 85.6k (UL)	x
Antenna connections	SMA (female)	2
<b>Controller, Memory and OS</b>		
Controller	ARM Cortex-A7 NXP i.MX 6 UltraLite, 528 MHz	x
RAM	512 MB	x
Flash	4 GB	x
OS	OpenWrt Linux	x
Programmable	C/C++, Python™, Java™, Node-RED™ or others	x
<b>Interfaces</b>		
Power	6-pin connector, pin 1, 4	x
RS232	6-pin connector, pin 2, 3, 5, 6 (Rx, Tx)	x
Ethernet	10/100 MBit/s	2
WiFi	2.4 GHz, 802.11 b/g/n	x
SIM	Mini-SIM (internal)	x
LED Power	Supply voltage	x
LED GSM	Status module	x
LED Warn	Signalling of error states	x
Status LED 1		x
Status LED 2		x
<b>Accessories</b>		<b>Part-No.</b>
Portable antenna	GSM/UMTS/LTE, 50 mm, SMA (male)	101188
Portable antenna	GSM/UMTS/LTE/WLAN, SMA (male)	101292

Mistakes and changes are reserved.