

# G160 4G/LTE Gateway

FOR REMOTE NOISE MONITORING



G160 4G/LTE Gateway

The G160 4G/LTE Gateway is an ultra-small, lightweight, and energy-efficient industrial gateway equipped with mission-critical LTE Cat 6 and a Gigabit Ethernet interface.

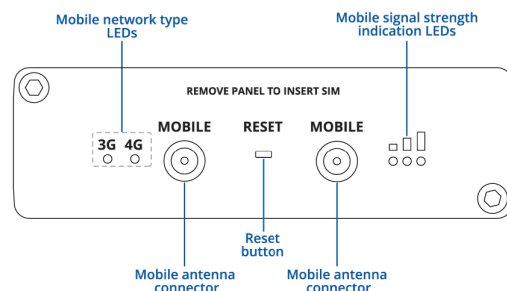
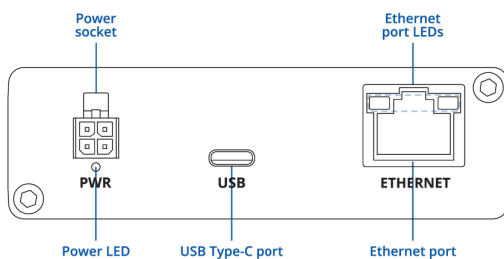
It features a USB Type-C port for simultaneous power and network data provision, supporting cellular speeds of up to 300 Mbps via carrier aggregation.

This gateway has been specially selected for use with the XL3 Acoustic Analyzer to connect the device to the internet for remote monitoring of noise levels.

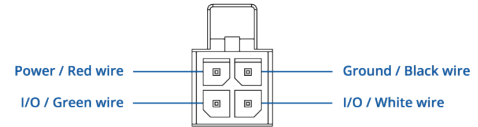
## Features

- Connectivity: 4G/LTE (Cat 6) with speeds up to 300 Mbps, 3G
- Carrier Aggregation: Enhanced cellular performance and reliability
- Gigabit Ethernet: High-speed wired interface for data transfer
- USB Type-C: Virtual network interface for simultaneous data and power
- Industrial Grade: Rugged aluminum housing for harsh environments
- Compact Design: Ultra-small size for easy installation and integration

## Hardware Overview

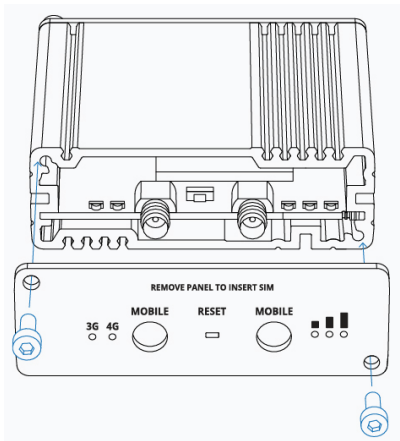


NO.	DESCRIPTION	WIRE COLOR
1	Power	Red
2	Ground	Black
3	I/O	Green
4	I/O	White

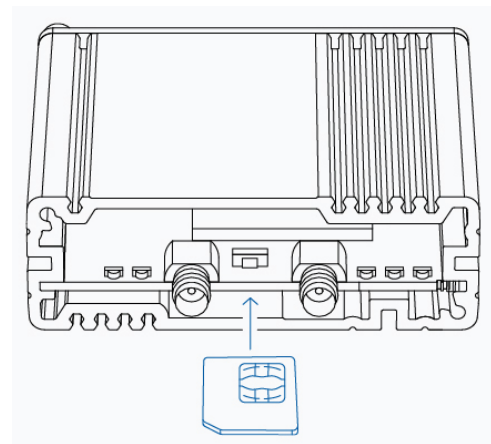


## Installation

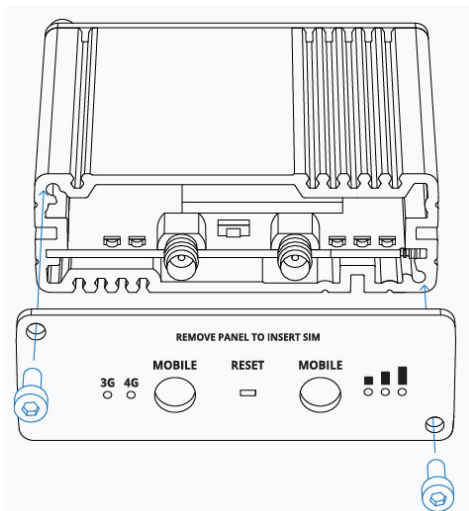
1. Unscrew the two hex bolts and remove the back panel.



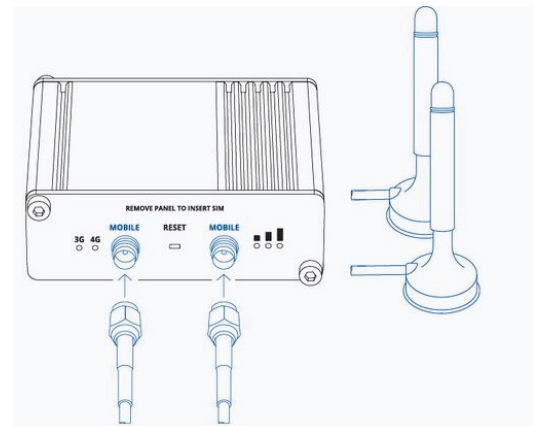
2. Insert your SIM card into the SIM socket.



3. Re-attach the back panel and screw in the hex bolts.



4. Attach the Mobile antennas to the connectors labeled „MOBILE“.

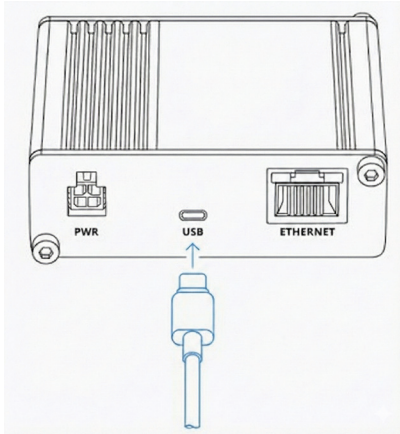


5. Connect the G160 4G/LTE Gateway to the XL3 Acoustic Analyzer using a USB-C cable, as it does not require a power supply or Ethernet.



90-degree USB-C adapter is required when using the G160 4G/LTE Gateway in the Heavy Duty Outdoor Case.

NTi # 650000172



### Technical Specifications

Physical Specifications	<ul style="list-style-type: none"> <li>• Casing material: Anodized aluminum housing and panels</li> <li>• Dimensions (W x H x D): 83 x 25 x 74.2 mm</li> <li>• Weight: 172 g</li> <li>• Mounting options: DIN rail, wall mount, flat surface (all require additional kit)</li> </ul>
Operating Environment	<ul style="list-style-type: none"> <li>• Operating temperature: -40 °C to 75 °C</li> <li>• Operating humidity: 10% to 90% non-condensing</li> <li>• Ingress Protection Rating: IP30</li> </ul>
Regulatory & Type Approvals	Regulatory: CE, UKCA, CB
EMC Emissions & Immunity	<ul style="list-style-type: none"> <li>• Standards: EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 301 489-1 V2.2.3, EN 301 489-52 V1.2.1, EN 55032:2015+A11:2020+A1:2020, EN 55035:2017+A11:2020</li> <li>• ESD: EN 61000-4-2: 2009</li> <li>• Radiated Immunity: EN IEC 61000-4-3: 2020</li> <li>• EFT: EN 61000-4-4: 2012</li> <li>• Surge Immunity (AC Mains Power Port): EN 61000-4-5: 2014+A1: 2017</li> <li>• CS: EN 61000-4-6: 2014</li> <li>• DIP: EN IEC 61000-4-11:2020</li> </ul>
RF	<ul style="list-style-type: none"> <li>• EN 301 908-1 V15.2.1</li> <li>• EN 301 908-2 V13.1.1</li> <li>• EN 301 908-13 V13.2.1</li> </ul>
Safety	<ul style="list-style-type: none"> <li>• CE: EN IEC 62368-1:2020+A11:2020, EN IEC 62311:2020</li> <li>• CB: EN IEC 62368-1:2020+A11:2020</li> </ul>

Scope of Supply	<ul style="list-style-type: none"><li>• G160 4G/LTE Gateway</li><li>• 9 W PSU</li><li>• 2 x Mobile antenna (magnetic mount, SMA male, 3 m cable)</li><li>• USB Type-C cable (0.8 m)</li><li>• 1x hex key</li><li>• Ethernet cable</li><li>• QSG (Quick Start Guide)</li><li>• Packaging box</li><li>• 90-degree USB-C adapter</li></ul>
Order Information	#600 076 017

For more information and technical specifications, please refer to the Teltonika documentation:

User Manual: [https://wiki.teltonika-networks.com/view/TRB160\\_Manual](https://wiki.teltonika-networks.com/view/TRB160_Manual)