



# Network Router

## Creating a robust communication path for smart grid applications and intelligent end devices

The Landis+Gyr Network Router helps form the powerful Gridstream® Connect RF wireless mesh network used in advanced metering, distribution automation, and demand response applications. Network performance and reliability are assured via the router's basic mesh functions, including full two-way, peer-to-peer communication to all devices in the network, asynchronous spread spectrum frequency hopping, and dynamic message routing.

### Functions

The Network Router is designed to deliver enhanced onboard memory and communication speeds to support future application and development needs. In addition, advanced functionality enables individual message prioritization, automatic network registration and localized intelligence. The Network Router also has GPS capability for enhanced location, troubleshooting, and optimization services.

### Benefits

The Network Router offers several benefits:

- Interoperability to enable integration with numerous partners and supported devices
- Lower utility TCO via enhanced battery life (15 years) with lithium-ion technology
- Dynamic routing by each radio in the mesh network
- Backward compatibility with previous generation products
- Support for distribution automation and mission critical grid sensors
- GPS capability enabled for better location and optimization services

# Network Router

## Product Specifications

Size	4.90" H x 11.82" W x 9.30" D	Processing	RAM: 640 Kbytes Flash Memory: 2 MB + 4MB External
Weight	9.6 lbs	Approvals	FCC CFR Title 47 (Part 15, Subpart B and C)
GPS	1.56GHz/1.57GHz/1.6GHz	ANSI C12.1 Compliance	<ul style="list-style-type: none"><li>• Operating vibration</li><li>• Operating shock</li><li>• Electromagnetic radiation emissions</li><li>• Electromagnetic susceptibility</li><li>• Surge withstanding capability</li><li>• Electrostatic discharge</li></ul>
Operating Temperature	-40°C to 80°C	Enclosure Material Type	Aluminum/Nema-4
Power Supply	<ul style="list-style-type: none"><li>• Input AC Voltage: 120 VAC (-20%)</li><li>• 240 VAC (+15%)</li><li>• Power Consumption,</li><li>• Battery not charging: 7W typical</li><li>• Power Consumption,</li><li>• Battery charging: 9W typical</li></ul>	Shipment Includes	<ul style="list-style-type: none"><li>• Router</li><li>• AC power cable</li><li>• Antenna kit</li><li>• Mounting hardware</li></ul>
RF Output Power	Up to 30dBm		
General Radio Items	<ul style="list-style-type: none"><li>• RF Frequency Range: 902 - 928 MHz</li><li>• Channel Spacing: 400 kHz (Mesh IP)<ul style="list-style-type: none"><li>– 100, 300 kHz (RF Mesh)</li><li>– 200, 400, 800 and 1200 kHz (Wi-SUN)</li></ul></li><li>• RF Baud Rates: 50 - 600 kbps, 100 - 2400 kbps (Mesh IP)<ul style="list-style-type: none"><li>– 9.6 - 115.2 kbps (RF Mesh)</li><li>– 50 - 2400 kbps (Wi-SUN)</li></ul></li><li>• Battery Backup Time: 8+ hours over the battery operating life</li><li>• Battery Life: 15 years (full life of router)</li></ul>		

This information is provided on an "as is" basis and does not imply any kind of guarantee or warranty, express or implied. Changes may be made to this information.

## Get In Touch

For more information and nationwide warranty terms, visit us at [landisgyr.com](https://landisgyr.com) or call us at 888-390-5733.

## Let’s build a brighter future together.

Landis+Gyr is a leading global provider of integrated energy management solutions. We measure and analyze energy utilization to generate empowering analytics for smart grid and infrastructure management, enabling utilities and consumers to reduce energy consumption. Our innovative and proven portfolio of software, services and intelligent sensor technology is a key driver to decarbonize the grid. Having enabled 9 million tons of CO<sub>2</sub> savings in FY 2024 through our product offerings, Landis+Gyr manages energy better – since 1896. With sales of USD 1.7 billion in FY 2024, Landis+Gyr employs around 6,300 talented people across five continents. For more information, please visit our website [www.landisgyr.com](https://www.landisgyr.com).