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

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PRODUCT SPECIFICATIONS

Size	4.90" H x 11.82" W x 9.30" D
Weight	9.6 lbs
GPS	1.56GHz/1.57GHz/1.6GHz
Operating Temperature	-40°C to 80°C
Power Supply	• Input AC Voltage: 120 VAC (-20%) • 240 VAC (+15%) • Power Consumption, • Battery not charging: 7W typical • Power Consumption, • Battery charging: 9W typical
RF Output Power	Up to 30dBm

General Radio Items	• RF Frequency Range: 902 - 928 MHz
	• Channel Spacing: 400 kHz (Mesh IP)
	  – 100, 300 kHz (RF Mesh)
	  – 200, 400, 800 and 1200 kHz (Wi-SUN)
	• RF Baud Rates: 50 - 600 kbps,
	  100 - 2400 kbps (Mesh IP)
	  – 9.6 - 115.2 kbps (RF Mesh)
	  – 50 - 2400 kbps (Wi-SUN)
	• Battery Backup Time: 8+ hours over the battery operating life
	• Battery Life: 15 years (full life of router)

Processing	RAM: 640 Kbytes Flash Memory: 2 MB + 4MB External
Approvals	FCC CFR Title 47 (Part 15, Subpart B and C)
ANSI C12.1 Compliance	• Operating vibration • Operating shock • Electromagnetic radiation emissions • Electromagnetic susceptibility • Surge withstanding capability • Electrostatic discharge
Enclosure Material Type	Aluminum/Nema-4
Shipment Includes	• Router • AC power cable • Antenna kit • Mounting hardware

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** or call us at 888-390-5733.

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Since 1896, Landis+Gyr has been a global leader of energy management solutions. We've provided more than 3,500 utility companies all over the world with the broadest portfolio of products and services in the industry. With a worldwide team of 1,300+ engineers and research professionals, as well as an ISO certification for quality and environmental processes, we are committed to improving energy efficiency, streamlining operations, and improving customer service for utility providers.

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