



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	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">Operating vibrationOperating shockElectromagnetic radiation emissionsElectromagnetic susceptibilitySurge withstanding capabilityElectrostatic discharge
Operating Temperature	-40°C to 80°C	Enclosure Material Type	Aluminum/Nema-4
Power Supply	<ul style="list-style-type: none">Input AC Voltage: 120 VAC (-20%)240 VAC (+15%)Power Consumption,Battery not charging: 7W typicalPower Consumption,Battery charging: 9W typical	Shipment Includes	<ul style="list-style-type: none">RouterAC power cableAntenna kitMounting hardware
RF Output Power	Up to 30dBm		
General Radio Items	<ul style="list-style-type: none">RF Frequency Range: 902 - 928 MHzChannel Spacing: 400 kHz (Mesh IP)<ul style="list-style-type: none">100, 300 kHz (RF Mesh)200, 400, 800 and 1200 kHz (Wi-SUN)RF Baud Rates: 50 - 600 kbps, 100 - 2400 kbps (Mesh IP)<ul style="list-style-type: none">9.6 - 115.2 kbps (RF Mesh)50 - 2400 kbps (Wi-SUN)Battery Backup Time: 8+ hours over the battery operating lifeBattery Life: 15 years (full life of router)		

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Get In Touch

For more information and nationwide warranty terms, visit us at landisgyr.com or call us at 888-390-5733.

Let's build a brighter future together.

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