



Series 5 Network Node

Small and mighty edge computing

Landis+Gyr's Network Node is key to building a single, integrated IoT network. The Network Node is a fully-functional, tiny RF radio module—approximately 1.5" x 1.5"—that enables simple network device integration. Utilities can quickly and seamlessly connect any device, from any vendor, to their network. This is foundational to Landis+Gyr's industry-leading utility IoT networking solution, Gridstream® Connect. The Network Node provides utilities with the flexibility to scale their IoT platform to meet growing customer demand, while strengthening and extending the network to integrate with existing AMI or DA networking equipment and third-party IoT devices.

Easy Integration with IoT Devices

- Small size allows for seamless integration into sensor modules
- Configurable output power
- "Plug and play" design

Edge Intelligence Platform

- On-board microprocessor
- Device supports application development
- Facilitates growth of utility and consumer-focused use cases

Leverage and Extend Your Existing Network

- Compact 900MHz radio
- Designed to support open standards-based communications technologies

Series 5 Network Node

Product Specifications

Power Supply	
Input Voltage Range	4.0 to 5.0 VDC
Current Consumption	
Rx Mode	Up to 90 mA
Tx Mode (Low Power)	Up to 250 mA
Tx Mode (Medium Power)	Up to 330 mA
Tx Mode (High Power)	Up to 750 mA
General	
Processor Type	SAM4C
Clock Ref	120 MHz
RAM (Internal)	304 KB
Flash (Internal)	2 MB
Additional Memory	Ext. Serial Flash, 4MB
Data Rates	
RF Mesh (N500)	9.6-115.2 kpbs
RF Mesh IP (N550)	50-200 kpbs

Output Power	
Output Power	28.8 Max
RF Frequency Range	902-928 MHz (regional variants available)
Rx Sensitivity	
9.6 kbps	-114 to -110 dBm
19.2 kbps	-112 to -109 dBm
38.4 kbps	-110 to -106 dBm
115.2 kbps	-102 to -98 dBm
50 kbps	-107 to -103 dBm
150 kbps	-99 to -95 dBm
200 kbps	-98 to -94 dBm
Environmental	
Operating Temperature	-40°C to 85°C

Kbps = Kilobytes per second

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.

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 CO₂ 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.