



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

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

Kbps = Kilobytes per second

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## 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](http://www.landisgyr.com).