

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

LEVERAGE AND EXTEND YOUR EXISTING NETWORK

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

EDGE INTELLIGENCE PLATFORM

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



EASY INTEGRATION
WITH IoT DEVICES



LEVERAGE AND EXTEND
YOUR EXISTING NETWORK



EDGE INTELLIGENCE
PLATFORM

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

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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

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.