Network Gateway

Flexible and interoperable utility IoT network communications

Landis+Gyr's Network Gateway is an integral part of Gridstream® Connect, our industry-leading utility IoT platform. The Network Gateway is a powerful field data center that supports a variety of communications protocols. By enabling device and sensor interoperability, the Network Gateway provides unparalleled flexibility and limitless potential for growth.

Flexible Communications

- Multiple FAN radio options (single or triple radio configurations supported), supporting a wide array of IoT communications technologies, including RF Mesh, Mesh IP, and Wi-SUN
- Flexible WAN backhaul options, including dual Ethernet ports and Cellular connections

Layered Intelligence: Intelligence When and Where You Need It

- On-board Linux processor
- Distributed data processing lowers cost of data sharing and networking

Battery Back-up

- Maintenance-free Lithium Iron Phosphate battery

Future-ready and Scalable

- Configurable, serviceable, and upgradeable
- Flexible field mounting options for substation, pole, or streetlight

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Product Specifications

Electrical				
Input Voltage Range	120 to 240 VAC			
Current	0.5A-0.25A			
Gatweay Processing Unit				
CPU	Cortex A9			
RAM Memory	512MB DDR3L			
FLASH Memory	2GB pSLC eMMC			
Gateway Radio Processing Unit				
CPU	Dual-core Cortex M4			
RAM	640 Kbytes			
FLASH Memory	2 MB + 8 MB External			
Series 6 Gen 2 Radio Variant*				
Communication Protocol	IEEE 802.15.4 SUN FSK, OFDM			
RF Bands	Sub-GHz (902-928 MHz)			
Model	**N2400**	**N2450**		
Network Operating Mode	**RF Mesh**	**Mesh IP with Series 5**	**Mesh IP Green Field**	**Wi-SUN**
Frequency Range (MHz)	902.3-927.8	902.4-927.6	904-926.8	902.2-927.8
Channel Width (KHz)	• 100 • 300	• 400	• 1200	• 200 • 400 • 800 • 1200
Data Rate (kbps)**	9.6-115.2	9.6-115.2	9.6-115.2	50-2400
Transmitter				
Output Power (at Antenna Connection)	Up to 1W			

WAN Connections	
Dual Ethernet	10/100/1000 Ethernet | 10/100 Ethernet
Cellular	4G LTE, Cat 13
Cellular WAN	
Modem	EM7590
Frequency Bands	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B18, B19, B20, B25, B26, B28, B29, B32, B38, B39, B40, B41, B42, B43, B48, B66, B71, B106***
Data Speed (Peak)	• DL: 400 Mbps • UL: 150 Mbps
Carrier Approvals	• Verizon • AT&T
Certifications	• FCC • IC • PTCRB • GCF • EU RED • JATE/Telec
SIM	Standard / Mini SIM (2FF)
Mechanical	
Enclosure	Aluminum / IP67
Dimensions	10.94" W x 5.31" D x 12.23" H (278 mm W x 135 mm D x 311 mm H)
Weight	11.7 lbs
Operating Temp Range	-40°C to 60°C (-40 to 140° F)
Storage Temp Range	-40°C to 70°C (-40 to 158° F)
Compliance	
Regulatory Compliance	Safety & EMC, FCC Class A Device TSCA

* Contact us for additional parameters regarding Radio Performance

** kbps = Kilobytes per second

*** Modem provides hardware support for B106

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_2 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.

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