



Landis & Gyr Telegyr 8979F Slave Communication Module

PTQ-LNG

The Landis & Gyr Telegyr Slave Communication Module is a Quantum backplane compatible module that allows Quantum processors to interface easily with Telegyr Master host devices. SCADA systems supporting this application are commonly found in the power utility industry.

Features and Benefits

The PTQ-LNG module acts as a communication gateway between the Telegyr 8979 Rev. F version of the protocol and the Quantum backplane. The module functions as a Telegyr slave, receiving commands from the host. Data transfer between the module and the Quantum processor is asynchronous to the Telegyr network, with the module's internal database being used to exchange data between the Quantum processor and the Telegyr network.

The PTQ-LNG module is a powerful communication interface for Quantum platform processors. Developed under license from Schneider Electric, the module incorporates proprietary backplane technology that enables powerful data access to the Quantum processor.

General Specifications

- Single Slot – Quantum backplane compatible
- The module is recognized as an Options module and has access to PLC memory for data transfer
- Configuration data is stored in non-volatile memory in the ProTalk module
- Configuration software for Microsoft Windows XP, 2000 and NT is included with the module.
- Up to six modules can be placed in a rack
- Local rack – The module must be placed in the same rack as processor.
- Compatible with common Quantum / Unity programming tools.
 - UnityPro XL
 - Concept
 - ProWORX
- Quantum data types supported: 3x, 4x
- High speed data transfer across backplane provides quick data update times.
- Sample ladder file available.

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The PTQ-LNG module is the perfect solution for existing Landis and Gyr Telegyr (8979 Rev. F) master devices requiring Modicon Quantum integration. Industries and services that benefit from this integration include:

- Power and distribution applications
- Energy Management Systems
- Water and Gas Applications
- Substation Automation

How to Contact Us: Sales and Support

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Hardware Specifications

Specification	Description
Backplane Current Load	800 mA @ 5 V
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Relative Humidity	5 to 95% (non-condensing)
LED Indicators	Module Status Backplane Transfer Status Serial Port Activity LED Serial Activity and Error LED Status
Configuration Serial Port (PRT1)	DB-9M PC Compatible RS-232 only No hardware handshaking
Application Serial Ports	(PRT2, PRT3) DB-9M PC Compatible RS-232/422/485 jumper selectable RS-422/485 screw termination included RS-232 handshaking configurable 500V Optical isolation from backplane

Functional Specifications

The PTQ-LNG module supports the Landis & Gyr Telegyr 8979 Rev F slave protocol to the following specifications:

- Supports two serial ports emulating the protocol, each individually configurable for:
 - Slave Address
 - Communication parameters
 - Timing
- The module supports a database common to both serial ports. The supported point types and their maximum point counts are:
 - Binary Input: 800 points
 - Binary Output: 800 points
 - Analog Input: 300 points
 - Analog Output: 50 points
 - Accumulators: 50 points
 - Indication Points: 800 points

Supported Function Codes

Code	Description
0	Analog Change Report
1	Analog Force Report
2	Analog Group Change Report
3	Analog Group Force Report
5	ADC Reference Force Report
6	Indication Change Report
7	Indication Force Report

Code	Description
11	Digital Input Force Report
12	Accumulator Change Report
13	Accumulator Force Report
20	Analog Report
21	SBO Select
22	SBO Operate
23	Digital Output
24	Accumulator Freeze
25	Pulse Output
26	Pulse Train Output
30	Restart RTU
31	RTU Configuration
32	Time Synchronization
34	Analog Deadbands
35	Analog Group Define
36	Accumulator Preset
37	Continuation Request
38	Repeat Last Message
39	Firmware Configuration

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

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Ordering Information

To order this product, please use the following:

PTQ-LNG Landis & Gyr Telegyr 8979F Slave Communication Module

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to <http://www.prosoft-technology.com>

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