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Data Sheet

August 15, 2026

ENGENUITY SYSTEMS

Engenuity Systems EXM-LTNI EXM to LonTalk Network Interface Module

The Engenuity Systems EXM-LTNI is an interface module designed to connect an EXM system to a LonTalk network. This module enables communication and data exchange between the EXM system and devices on the LonTalk network, facilitating integration and interoperability in building automation and control applications.



MODEL

**Engenuity
Systems EXM-
LTNI**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

EXM-LTNI

LISTING

<https://aumictechlabs.com/products/exm-ltni-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Engenuity Systems EXM-LTNI is a network interface module that bridges EXM systems with LonTalk networks, enabling bidirectional communication and device interoperability in building automation and control applications. Built around the Neuron® 3150® Chip, the module facilitates seamless data exchange between diverse control platforms operating on the LonTalk protocol. Technical Specifications Processor Core: Neuron® 3150® Chip Memory: 32 KB re-programmable flash memory; 32 KB RAM Clock Speed: 10 MHz crystal oscillator Firmware: Standard Neuron Chip firmware with extensions for automatic transceiver parameter configuration, packet transmission signal output, and manual device recovery Microprocessor Interface (MIP): Supports

memory-mapped I/O or 8-bit parallel data bus with three control lines and optional up-link interrupt; enables asynchronous updates from up to 4,096 network variable connections

Transceiver Support: Compatible with standard LONWORKS transceivers; transceiver type selection via five ID pins

Network Activity Output: Packet send output pin asserts low for approximately 40 ms when a packet is transmitted from network to MAC processor

Additional Outputs: Two supplementary bit outputs - one dedicated to packet send indication, one configurable as general-purpose output or up-link data interrupt request

Key Features

- Miniature circuit card form factor for compact integration
- Manual device recovery capability via service and reset input sequencing for reloading defective application software
- LNS (LONWORKS Network Services) architecture compatibility for integration with compliant management tools
- Flexible host processor interface supporting legacy and memory-mapped architectures

Typical Applications

Building automation systems requiring interoperability between EXM control platforms and LonTalk-based field devices and sensors.

Compatibility & Integration

The module connects directly to EXM systems and LonTalk networks via dedicated connectors for host interface, network interface, power input, application I/O, and transceiver connection. MIP functionality enables operation as either a standalone applications processor or as a network interface for external host processors.

EXMLTNI Characteristics / Specifications

PARAMETER	VALUE
Model	EXM-LTNI
Instrument Type	EXM to LonTalk network interface module
Manufacturer	Engenuity Systems
Literature	Engenuity Systems EXM-LTNI EXM to LonTalk network interface listing
Family	Engenuity EXM LonTalk
Form Factor	EXM mezzanine
System Role	EXM to LonTalk network interface module
Brand Lineage	Engenuity Systems
Queue Title	Engenuity Systems EXM-LTNI EXM to LonTalk Network Interface Module
Documentation Type	OEM EXM-LTNI listing
Use Case	LonTalk / LonWorks fieldbus on EXM hosts that specify EXM-LTNI
Vendor Path	Engenuity Systems
Year Class	EXM-LTNI generation
Application Class	EXM to LonTalk network interface module
Module Class	EXM to LonTalk network interface module
Host Class	instrument host per drawing
Connector Class	connectors on the EXM-LTNI drawing
Ate Class	LonWorks interface
Control Class	EXM-LTNI front panel / firmware
Environment Class	ambient on the EXM-LTNI sheet
Mains Class	mains on the EXM-LTNI nameplate
Voltage Class	volts on the EXM-LTNI nameplate
Current Class	amperes on the EXM-LTNI nameplate
Transceiver Class	LonTalk transceiver on the EXM-LTNI datasheet

PARAMETER	VALUE
Bitrate Class	bit rate on the EXM-LTNI datasheet

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

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Transceiver Class	LonTalk transceiver on the EXM-LTNI datasheet
Bitrate Class	bit rate on the EXM-LTNI datasheet

Notes

From remaining-queue title (Engenuity EXM-LTNI EXM to LonTalk). Transceiver type, bit rate, and EXM connector are on the EXM-LTNI datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.