

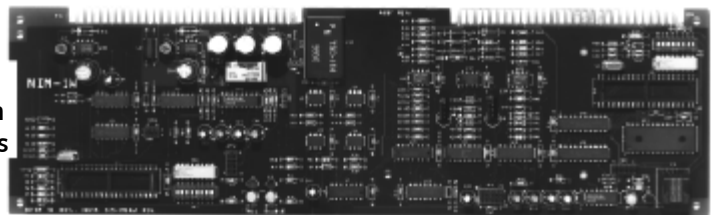


MXL / MXLV

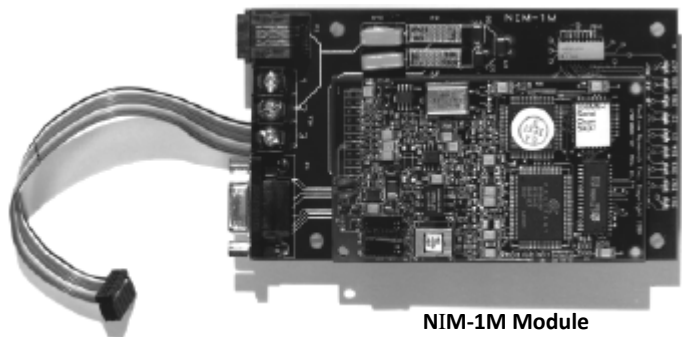
MXL Long-Distance Communication Bridge Models NIM-1M, NIM-1W

ARCHITECT AND ENGINEER SPECIFICATIONS

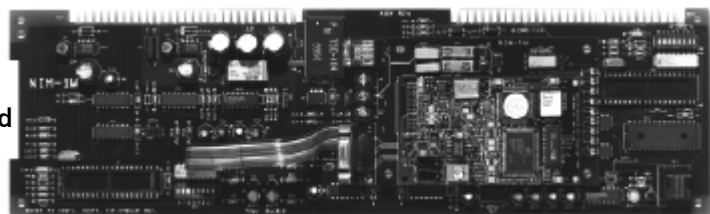
- MXL LifeLINK wide-area network (WAN) communications module
- Extends MXL communication distance for each MXL system, as well as between MXL networks
- Unlimited communication distance between MXL, MXL-IQ or MXLV systems when a dedicated line that is conditioned for 19.2K baud rate is used
- Up to 8 miles on dedicated 18 AWG copper wire
- Supports standalone and network MXL configuration
- Instant monitoring-and-controlling capabilities of remote MXL panel{s}
- Nine (9) communication-status light-emitting diodes {LEDs} (Model NIM-1M)
- Supports full inter-panel logic
- Compatible with OS/2® and Windows NT®-based FireFinder™, Network Command Center (NCC)
-  UL 864 9th Edition Listed and  ULC Listed



NIM-1W Module



NIM-1M Module



NIM-1W Module {interconnected with NIM-1M Module}

Product Overview

Model NIM-1W is a Siemens Industry, Inc. — Fire Safety full-width network interface module that communicates MXL system information to an on-board analog modem, Model NIM-1M, which is a daughter board that connects directly onto Model NIM-1W module. When Model NIM-1M is connected to Model NIM-1W, MXL system information can be transmitted over dedicated, twisted-pair telephone wires.

Model NIM-1M can transmit MXL system(s) information on dedicated telephone wire (18-26 AWG), and / or a dedicated line conditioned for 19.2K baud rate, allowing for MXL communication distances to be extended. Models NIM-1W / NIM-1M communicates with other

NIM-1W / NIM-1M, thus forming a long distance communication bridge that can interconnect a single MXL or local MXL network with a remote network and / or single MXL panel. Models NIM-1W / NIM-1M occupies one (1), full Model MOM-series card cage slot, and communicates directly with the MXL panel's networking interface module (NIM-1R).

Since Models NIM-1W / NIM-1M function as a communication bridge, each module is then transparent (takes no network addresses) to the overall system configuration. Hence, the MXL systems function as one, unified MXL network (X-NET).

Long-Distance Communication Bridge 5069

Product Overview – (continued)


A maximum of two (2) communication bridges can be installed in a series (refer to Case Scenario #3).

The FireFinder Network Command Center, a Global MKB, and / or a global RCC (Remote Command Center) can serve as the central control / monitoring point. The maximum amount of panel addresses (MXL, MXL-IQ, MXLV and NCC) allowed on a MXL network system is 64. Interactive programming between MXL panels is supported.

Style 4 or Style 7 wiring is supported among the MXL system(s). The modem transmission line connected to Model NIM-1M is Style 4. Style 7 can be achieved by using two sets of Models NIM-1M / NIM-1W in both the local and the remote panel.

Model NIM-1M is equipped with nine (9) status LEDs, which indicate the modem communication status.

Temperature and Humidity Range

Products are  UL 864 9th Edition listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and at a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

Related Documentation

Product	Data Sheet Number
MXL	5000
MXLV	5035

Technical Data

– Electrical Ratings –

Model NIM-1W	
Input Voltage	24VDC, nominal @ 150mA

Model NIM-1M (analog modem)	
Transmit Level	-10Dbm
Receive Level	-43Dbm
Maximum Wire Loss	-25Dbm
Baud rate	19.2K
Properties	— Equipped with 2-wire, RJ-11 interface and terminal blocks
	— 2-wire leased line with auto negotiation
	— Full duplex design
	— FCC Part 68 registered
	— FCC Part 15 compliant

Installation and Operation Manuals

[IOMs]

Model Number	Part Number	Description
NIM-1W	315-099106	Local and Wide-Area Interface Module
NIM-1M	315-099105	Analog modem daughter board module designed for interconnection, communication with Model NIM-1W

Note: For further details, refer to MXL IOM manual: 315-092036.

Details for Ordering

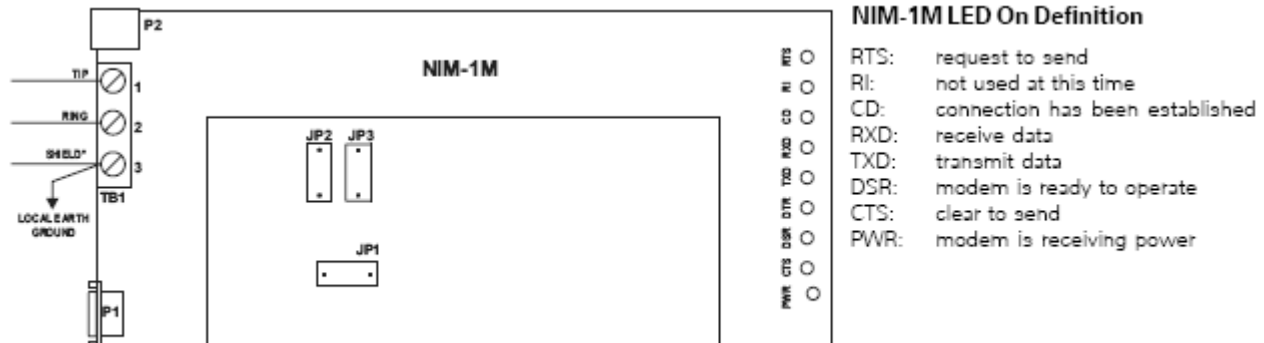
Model Number	Part Number	Description
NIM-1W	315-699103	Local and Wide-Area Interface Module
NIM-1M	315-699104	Analog modem daughter board module designed for interconnection, communication with Model NIM-1W

Wiring Diagrams

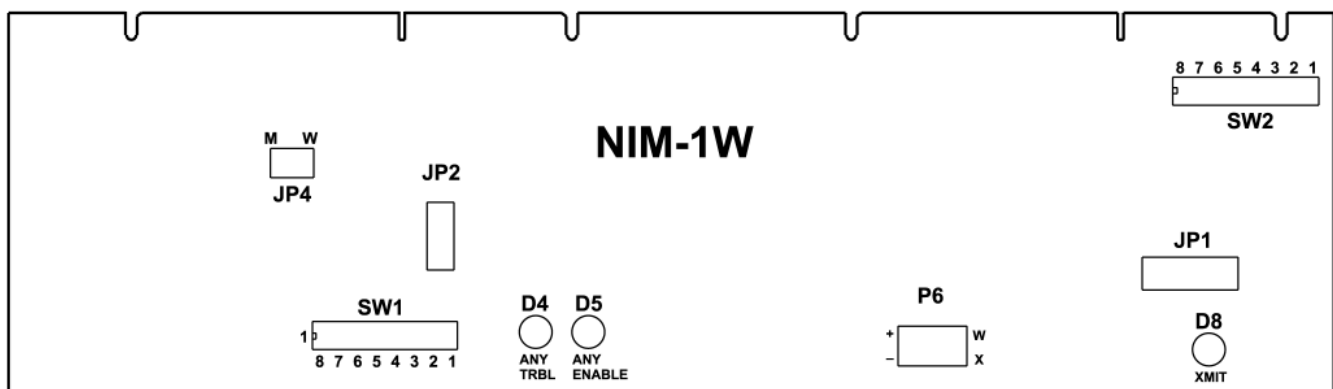
Model NIM-1M Dedicated Communication Media Specifications:

- *Copper:** 18-26 American Wire Gauge (AWG)
Telephone Lines: Non-powered; no dial tone
Leased line conditioned for 19.2K baud modem communication rate

***Note:** Line condition (e.g. noise, signal loss rate) should be tested. Maximum signal loss tolerance is -25Dbm at 19.2K baud rate.

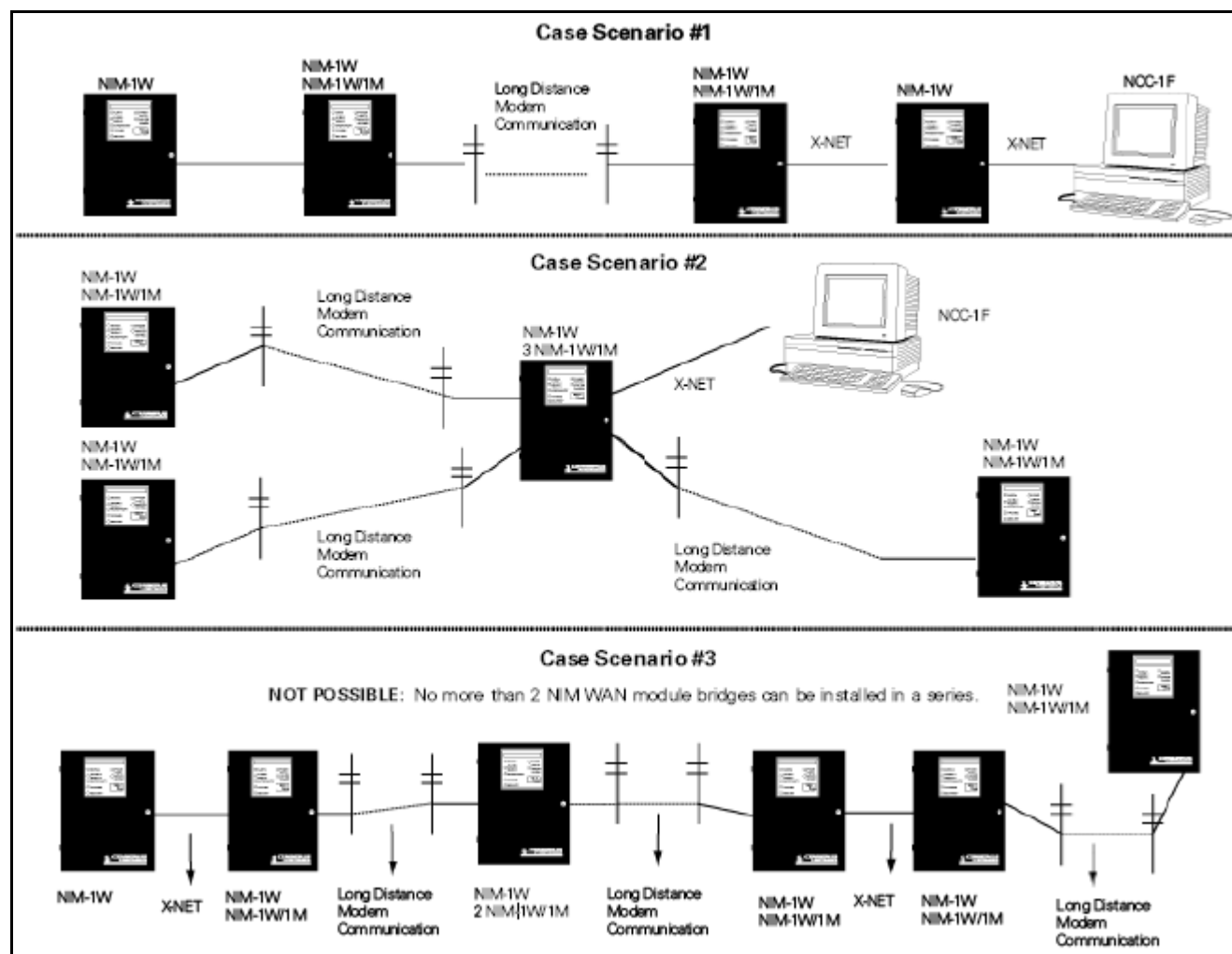


*The NIM-1M is designed to be used only with the NIM-1W.



Wiring Diagrams – (continued)

Models NIM-1W, NIM-1M Application Scenarios



Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.