

NetLink™ by Napco:

Alternative alarm reporting and VoIP solution



Faced with the absence and/or uncertainty of traditional telephone company telco /land lines, with the popularity of VOIP internet telephone usage, Napco has developed two alternative alarm panel NetLink internet reporting modules. For use in new and retrofit applications, they communicate alarms over the internet or intranet over a TCP/IP based network, securely using dynamic IP addressing, and can be used for primary and/or backup reporting. There is a NetLink Module for use with Gemini panels and/or universally with any brand alarm panel with receivers from PCs running NetLink software to UL-listed, rack-mounted receivers for more stringent monitoring offices.

Reporting via net:

Napco NetLink Module, **NL-MOD**, will allow Napco Gemini Panels, from the P816 thru the X255, to fully, securely communicate alarms, status, supervisorys, etc., pinpointed "by zone" over the internet to the central station's PC running NL-CSRCV Central Station application software or NetLink TCP/IP UL Receiver(s) NL-RCV-RMPCUL, below), using secure, NIST/AES 128bit encryption. At the central monitoring office, the panel module source is immediately received, authenticated as a valid account, and its alarm reports decoded and sent to awaiting CS operators for disposition. (NL-MOD is initially set using **NL-MODCONFIG**, a download software utility for programming/configuring the panel module.)



- OR -

Similarly, the universal **NET-COMM** Module supports any brand system's alarm reports over the net. However, NET-COMM is an economy communicator, driven directly by the alarm panel, or alternate device. Again, ideal where conventional telco reporting is not available, it supports 5 channel reporting codes, communicating, for example: alarms, panics, fire, telco failure, low battery, etc. (NET-COMM is also initially set using NL-MODCONFIG, a download software utility for programming/configuring the panel module.)



Receiving via net: For non-UL central station applications and/or LAN Intranet campuses

NL-CSRCV Software

Napco's NetLink™ NL-CSRCV Windows-based software receives reports on a standard PC, providing cost-effective, secure internet alarm reporting without requiring the purchase/maintenance/upkeep of a traditional, old-fashion proprietary receiver. It makes getting onsite alarm reports at a security office quick and convenient, and transforms their standard PC into an alarm report receiver, locally displaying alarms, event history (open/closes), etc. Receiving alarm reports via internet/intranet can save thousands of dollars versus traditional T1 phone line costs. NL-CSRCV even allows high-speed downloading via campus LAN & supports network-based automation routines. (Optionally, for a turnkey solution, NL-CSRCV/PC is the software, above, preinstalled & preconfigured on a compatible computer system.)

Receiving via net: For UL central station receiver applications

NL-RCV-RMPCUL Receiver

Napco's UL864/UL1610-listed NetLink™ Receiver is an advanced, rack-mounted receiver enabling cost-effective, secure internet alarm reporting designed to address the increasing need for UL central stations to adopt new receiver technologies to combat the widespread adoption of Voice-over Internet Protocol (VoIP) services, i.e., in place of traditional telco services. While in full compliance with UL Central Station applications, requiring primary and mirrored, backup receivers, two (2) NetLink UL Receivers can be installed at the same cost as a single traditional receiver. Both NetLink TCP/IP UL Receivers interface with the conventional CS automation system and are simply connected to each other with a network crossover cable, where the secondary mirrored receiver serves as a Hot Backup, duplicate receiver. NetLink UL TCP/IP Receivers feature two modes of operation, Automatic Mode, where alarm signals are sent normally to the automation system for processing, or Manual Mode, used when direct operator interaction is desired, accomplished thru an easy, menu-driven keypad-style alphanumeric interface on the face of the receiver. Listed for UL864 (Control Units for Fire Protective Signaling Systems) and UL1610 (Central Station Burglar Alarm Units).



UL864/1610 Compliant

Put campus, retail or private security staff directly online with their security system using their standard PC and intranet/internet plus slash T1 phone costs



Transform an account's security office's standard PC into an onsite alarm monitoring receiver using campus or retail intranet

- Ideal in a guard station for fastest dispatches. Uniquely, NO dedicated central station receiver required; uses a PC with Napco NetLink CS Software (NL-CSRCV).
- Using the internet or their own intranet, instead of phone lines for alarm reporting, can save thousands of dollars in traditional T1 phone line costs. Saved security budget dollars can be better spent on your other service & upgrade offerings
- Configure NetLink for primary and/or backup reporting of alarms over a TCP/IP based network and/or telephone lines (telco)
- Napco Gemini Security Systems with NetLink module sends encrypted alarm data **by zone** (alarms, status, supervisory) through TCP/IP network, securely with dynamic IP addressing. (For use with any brand panel, the NET-COMM module can be used.)
- Allows high-speed downloading via campus LAN; supports network-based automation routines. (Napco panel up/downloads require PCD-WINDOWS panel software, version 4.4 or greater.)

Receiving pinpointed alarm reports as they happen enables them to achieve fastest possible security dispatches optimizing your customer service.

NETLINK PANEL MODULE SPECIFICATIONS:

Dimensions: 1 1/2" x 7" x 4 3/4" (HxWxD)
Input Voltage: 13.0-10.0VDC.
Input Current (NL-MOD): Maximum current (@8 VDC) = 100mA, nominal current (@12VDC) = 80mA (supplied by Gemini control panel connections). Available panel combined auxiliary current is reduced by 100mA.
Outputs: PGM-style open collector (negative trigger) with a maximum sink current of 50mA.

SYSTEM REQUIREMENTS:

System Hardware Requirements:

- Compatible Gemini Control Panels GEM-X255, GEM-P3200 and GEM-P9600; GEM-P1632, GEM-P816 (check WI for exact firmware version)
- Standard 6 conductor modular RJ12 Cable, 1 foot in length (provided). Required for full zone reporting/downloading.
- Access to the local area network.
- A standard CAT5 network cable for connection to the LAN

PC Requirements for Software (NL-CSRCV):

- Windows® XP Professional installed on a dedicated PC
- Intel® Pentium® 4 (2GHz processor or faster) with at least 512 MB RAM.
- Hard drive space 20GB or higher.
- NAPCO Tested and certified using a Dell™ Dimension™ Series 2400 & 4400 PC. (For other models, contact Napco Technical Support.)
- Network Card requirements: 100 BaseT Ethernet.

Note: Not supported - Hyper-Threading technology and Windows® XP Themes.

NL-RCV-RMPCUL RECEIVER SPECIFICATIONS:

Power : Input connector connects to a standard 110VAC three-pronged input jack (supplied). (1.2A max, current draw).
Mounting: Mounts onto a standard 19-inch rack using a 4U slot. Mounting kit provided. Suggested rack is a cabinet listed for fire protective signaling .
Environment: Intended to operate indoors, in a temperate, dry central station environment. Avoid temperatures above 95 degrees F, continuously high humidity, extremely dusty conditions, and/or a corrosive atmosphere.
Hot backup operation: Two receivers are installed interconnected and work in tandem, wherein the first receiver is "active" and the second is automatically configured, as the "hot backup" receiver until such time that the first fails and the backup receiver automatically comes online.
Two operating modes: Automatic Mode & Manual Mode. When set for Automatic Mode an automation host must be present and the display will indicate Automatic Mode. All events will be sent to the Automation Host Computer for acknowledgement. If the Automation Host Computer system fails, the receiver will automatically default to Manual Mode When the automation system is restored, the system reverts back to Automatic Mode. When set for Manual Mode all events must be acknowledged from the receiver front panel keypad.

Network Parameters:

- Listening Port Number - Adjustable (requires corresponding NL-MOD Receiver Port Number change)
- Router Forwarding – Adjustable (last octet of receiver static IP address)

COM Card:

- COM1 - Serial port used for output connection to an Automation Host Computer. Electrostatically protected for remote connection to an automation system.
- LPT1 - Standard DB-25 female parallel printer socket. Connect to the approved printer using a standard 36-pin Centronics cable.

LAN Card:

- LAN1 - Network connection to the NetLink Receiver, and must be connected to the router.
- LAN2 – For Hot Backup operation, connects receivers for synchronization.

Trouble relay 4A max, 12VDC, resistive relay. Output closes on trouble.

Status lights –

Red LED indicates unacknowledged events are in the queue.
 Green LED light indicates the receiver is "Active".
 SYS TBL icon – Indicates a problem has been detected in the system which may prevent it from working properly. Display system troubles through a selection within the *Menu View*.
 • Complies with part 15 of the FCC rules
 • UL Listed for meeting Industry Approvals UL864 – Control Units for Fire Protective Signaling Systems and UL1610 – Central Station Burglar Alarm Units
 • UL listed for commercial fire and burglary central station service under UL file number S3594

ORDERING INFORMATION:

NL-MOD NetLink Panel Module for by-zone reporting of Gemini P816 through X255 panels
NET-COMM Universal Panel Module (for all brands)
NL-MODCONFIG Download software utility for initially programming/configuring NetLink panel modules.
NL-CSRCV Central Station Receiver Application Software for use in standard PC.
NL-CSRCV/PC Above, preinstalled and configured in turnkey computer system. (Call for PC specs or special requirements.)
NL-RCV-RMPCUL UL816/1610 UL-compliant Central Station NetLink Receiver (see WI1491 Manual for complete details.)
PCD-WINDOWS Napco Panel Up/Downloading Software (version 4.4 or greater)

