

IP Central Monitoring Servers

LNS 2004 and LNS 2008



Overview

EST's IP monitoring servers allow any Central Monitoring Station to become internet capable with the simple addition of an inexpensive LNS 2000 network server. The LNS 2000 does this by translating incoming internet alarm data from associated LNI field interfaces back into data that is compatible with standard alarm receivers. No expensive upgrades and no special training is required by the Central Station — and the LNS hunt group option eliminates the need for further call handling equipment.

Thanks to built-in failsafe redundancy, the LNI/LNS system will automatically identify communications failures and re-route data to an alternate communications path should a break be detected. If the internet connection is lost — even temporarily — the interface re-routes the connection through the telephone system and reports the loss to Central Monitoring Station personnel. When internet service is restored, the IP connection is automatically re-established. Exclusive alarm discrimination technology even distinguishes between internet problems and a possible line cut.

LNS servers can be set up in minutes. Just plug in the server, hook up the internet, connect the required phone line jumpers, and the system is ready to start receiving internet alarms in its factory default configuration.

Once configured, the LNS gives leased line customers the opportunity to switch to an IP connection, eliminating the on-going monthly line expense, while those with dial-up connections can benefit from dedicated monitoring without the expense of the leased line.

Standard Features

- Robust LINUX based server ensures reliability
- No changes to central station processes or procedures
- Network status reports per customer and area
- Intelligent upgrades ensure latest software at installation
- Active communication provides continuous verification of the encrypted communication link from premises to receiver
- Immediate notification of lost security link with receiver
- Can be used with any existing alarm system, regardless of format
- Simple, cost effective upgrade to existing infrastructure
- Full backup in the event of a network failure
- 1-to-8 alarm receiver telephony interconnects with hunt groups
- Remote control of interface relays
- Email notification of off-normal events
- Alarm discrimination: pinpoints location of IP network failures
- Watchdog protection
- Battery backup from panel



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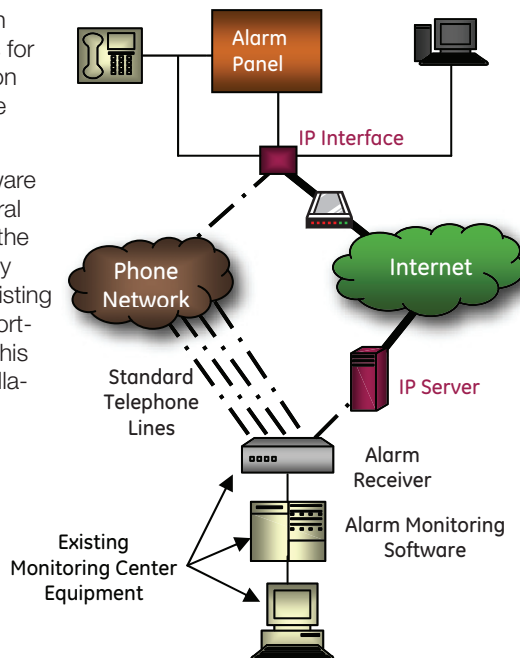
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Application

Edwards IP Central Station Servers can eliminate costly recurring line expenses for leased line customers, and its always-on operation is faster and more responsive than dial-up connections.

IP alarm monitoring requires two hardware configurations: an IP server at the central monitoring station, and an interface at the protected premises. Together, they relay data to the Central Station from any existing alarm panel - regardless of its age, reporting format, manufacturer, or location. This makes it an ideal solution for new installations and retrofits alike.

Configuration



Supported Protocols

Contact ID	SIA
3+1 Ademco	4+1 Ademco
3+1 Radionics	4+1 Radionics
Silent Knight/Ademco Slow	Silent Knight Fast
3+1 Standard	4+1 Standard
4+2 Standard	4+2 Ademco
Sescoa	Radionics BPSK

Specifications

Line outputs (loop start analog)	LNS 2004: 4 analog LNS 2008: 8 analog
Position	Tower or 19-inch rack mount
Voltage	120 Vac
Operating environment	32 - 122 °F (0 to 50 °C)
Relative Humidity	5% to 93% (non-condensing)

Ordering Information

LNS 2004	Central Station Server, 4 Line, ULC Listed to CAN/ULC S559-04
LNS 2008	Central Station Server, 8 Line, ULC Listed to CAN/ULC S559-04