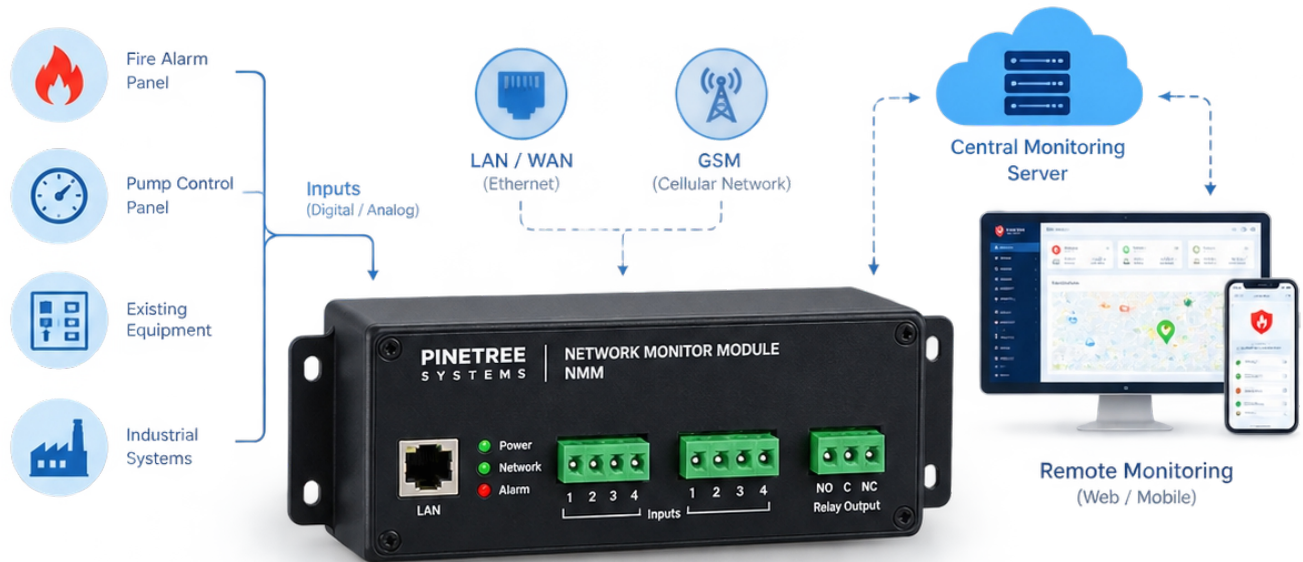




Network Monitor Module

Centralized Remote Monitoring for Distributed Systems



Network Monitor Module (NMM) from Pinetree Systems is a compact, intelligent monitoring solution designed to connect existing field-installed equipment to a centralized remote monitoring platform. It enables users to monitor equipment status, receive event notifications and identify communication failures across multiple geographically distributed locations.

Designed for flexible integration, the NMM can interface with a wide range of equipment from different manufacturers and of different types. By collecting input status information and transmitting relevant events to a central monitoring server, it provides a unified view of monitored installations without requiring the replacement of existing equipment.

Available in Ethernet (LAN) and GSM connectivity variants, the NMM offers flexible deployment options to suit locations with wired Internet access as well as remote sites that rely on cellular connectivity.



Flexible Connectivity
LAN/WAN/GSM



Multiple Inputs
Digital & Analog



Reliable Communication
Online/Offline Status



Instant Alerts
SMS/Email/Push



Centralized Monitoring
Multiple Locations



Addressable

Network Monitor Module

Model : PTSNMMXLX901

Datasheet

<http://www.pinetreesystems.com>

Outline



Network Monitor Module (NMM) is designed to provide centralized remote monitoring of field-installed fire alarm systems and pump room parameters through Ethernet (LAN/WAN). The module interfaces with existing equipments and transmits relevant status information and event notifications to a centralized monitoring server, enabling remote visibility of system conditions across multiple locations.

Equipped with necessary digital and analog inputs, the NMM supports integration with a wide range of existing fire detection equipments and pump control panels, irrespective of manufacturer or system type. Each module is assigned a unique identification ID, allowing the central monitoring station to identify individual devices, track events and monitor communication status.

The module continuously communicates with the central server, enabling communication loss or disconnection to be identified through status indications. Its LAN-based connectivity makes it suitable for installations where a reliable Ethernet network with Internet access is available.

Key Features:

Ethernet-based connectivity for communication with a central monitoring server.

Unique device identification for individual site and module tracking.

Remote status monitoring and event notification.

Centralized monitoring across multiple geographically distributed locations.

Suitable for integration with existing equipment from different manufacturers.

Technical Specification

Product Class	: Addressable - IP
Housing	: MS
Protocol	: UDP/TCP IP/HTTP
Operating Voltage	: 12V-24V DC
Network Mode	: RJ45
Configuration	: Web-Based





Addressable

Network Monitor Module

Model : PTSNMMGX901

Datasheet

<http://www.pinetreesystems.com>



Outline

Network Monitor Module (NMM) is designed to provide centralized remote monitoring of field-installed fire alarm systems and pump room parameters using cellular network connectivity. With an integrated GSM communication interface and antenna, the module transmits status information and event notifications to a centralized monitoring server through a SIM-based mobile network, enabling remote visibility of system conditions across multiple locations.

Equipped with necessary digital and analog inputs, the NMM supports integration with a wide range of existing fire detection equipment and pump control panels, irrespective of manufacturer or system type. Each module is assigned a unique identification ID, allowing the central monitoring station to identify individual devices, track events and monitor communication status.

The module continuously communicates with the central server, enabling communication loss or disconnection to be identified through status indications. The GSM-based architecture makes the module suitable for installations where network infrastructure is unavailable.

Key Features:

Ethernet-based connectivity for communication with a central monitoring server.

Unique device identification for individual site and module tracking.

Remote status monitoring and event notification.

Centralized monitoring across multiple geographically distributed locations.

Suitable for integration with existing equipment from different manufacturers.

Technical Specification

Product Class	: Addressable - GSM
Housing	: MS
Protocol	: UDP/TCP IP/HTTP
Operating Voltage	: 12V-24V DC
Network Mode	: GSM
Configuration	: Web-Based
GSM / GPRS / EDGE	: 900 / 1800 MHZ

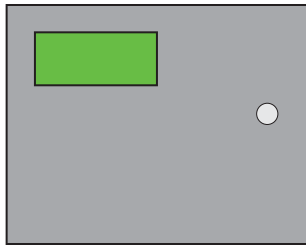




Typical Layout of Remote Monitoring (NMM)

monitor - track - respond

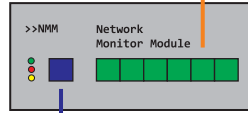
Location : A



Existing Fire Alarm Panel

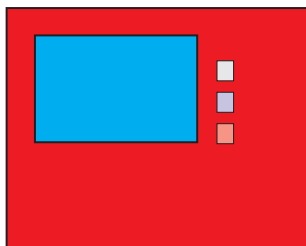
>>Input

NMM



>>LAN/WAN

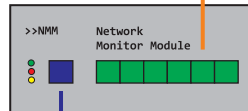
Location : B



Existing Fire Alarm Panel

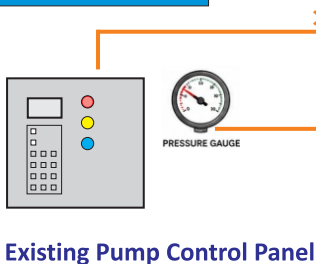
>>Input

NMM



>>LAN/WAN

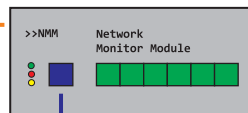
Location : C



Existing Pump Control Panel

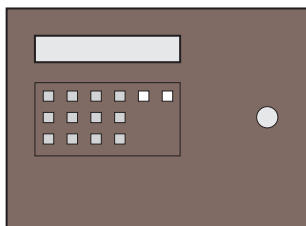
>>Input

NMM



>>LAN/WAN

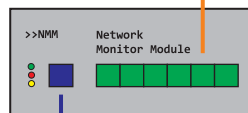
Location : D



Existing Fire Alarm Panel

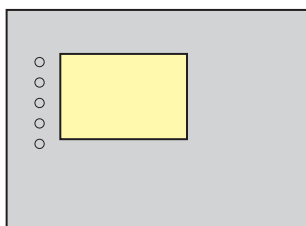
>>Input

NMM



>>LAN/WAN

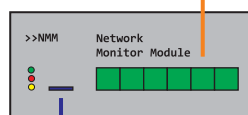
Location : Z



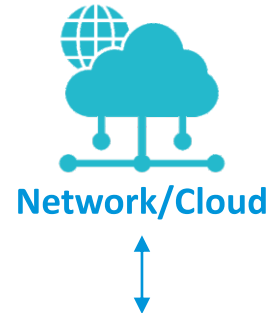
Existing Fire Alarm Panel

>>Input

NMM



>>GSM



Key Features:

Ethernet/GSM based connectivity for communication with a central monitoring server.

Unique device identification for individual site and module tracking.

Remote status monitoring and event notification.

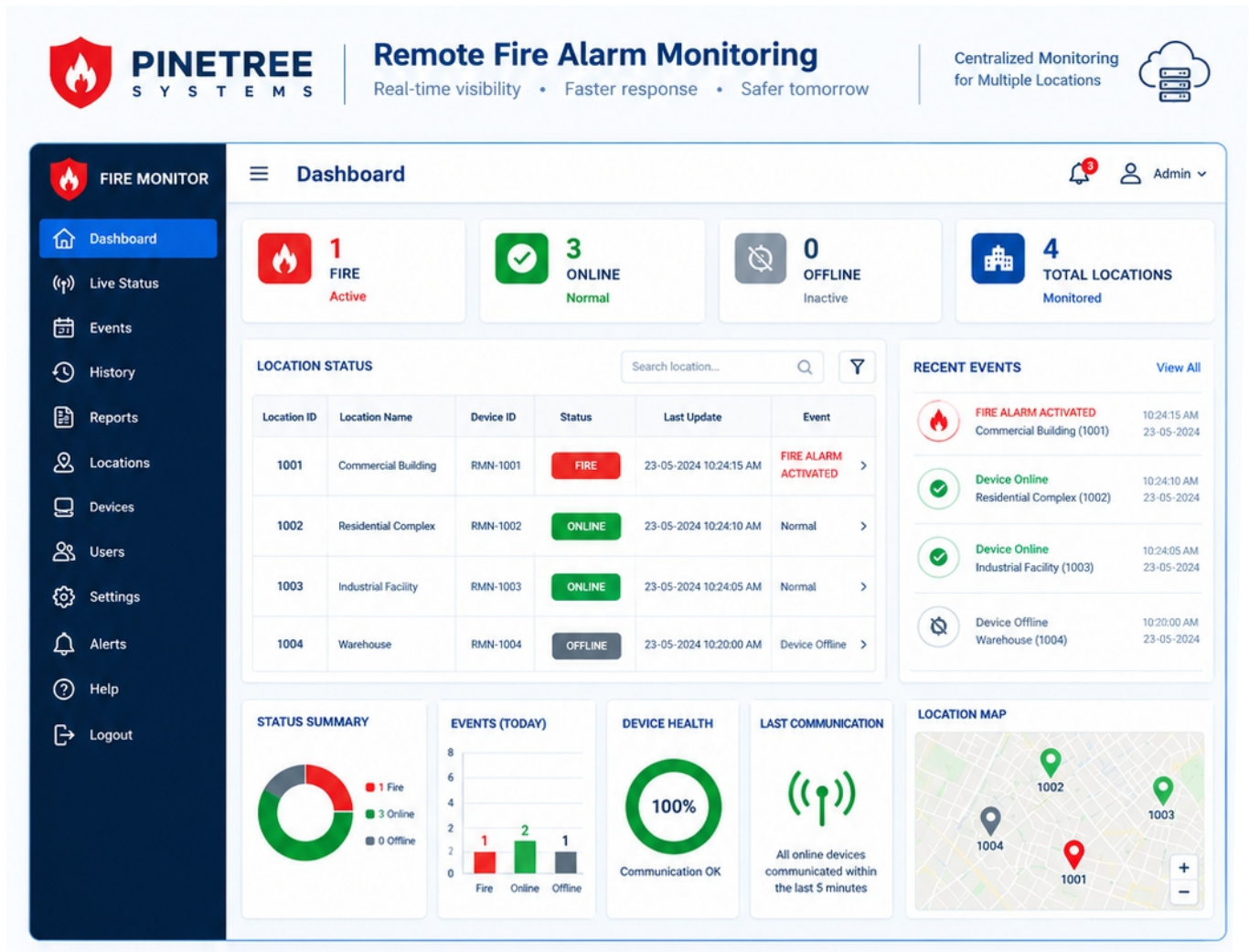
Centralized monitoring across multiple geographically distributed locations.

Suitable for integration with existing equipment from different manufacturers.



Dashboard

monitor - track - respond



Reports & Features:

Dashboard

Overall monitoring summary

Live Status

Current device and input conditions

Active Alerts

Unacknowledged alarms and faults

Events & History

Event timeline and historical records

Locations

Customer sites and map view

Devices

Registration, inputs and configuration

Reports & Analytics

Availability, event and response reports

Users & Permissions

Operators, supervisors and access control

Notifications

Recipients, delivery and escalation rules

Audit Log

User actions and configuration changes

Settings

Server, integrations and system preferences