

Advanced Fire Alarm Network that Links NOTIFIER Fire Alarm Control Panels



With NOTI•FIRE•NET, each networked fire alarm control panel maintains its own area of protection while monitoring and interacting with other nodes. Fire alarm control panel nodes can react to network events with coordinated programmed responses. In designated fire command centers, the NCS (Network Control Station) provides operators with text and graphic annunciation of the network activity as well as network control and programming capabilities. The NOTIFIER NCA (Network Control Annunciator) is used to annunciate network events, and provide individual control of network points or nodes.

The new NOTI•FIRE•NET incorporates a high-speed interface for NOTIFIER Onyx™ Series panels and compatibility with classic NOTIFIER fire alarm control panels, along with the following features.

NOTI•FIRE•NET Features

- Supports 102 nodes with total capacity of over 200,000 points
- Based on proven ARCNET™ technology
- True peer-to-peer communications
- Token-passing, non-collision protocol
- No "master" polling computer required
- The VeriFire™ Tools programming utility supports complete network programming accessed at any node on the network
- History Buffers reside on NCA, NCS, and on all fire control panels
- Powerful cooperative-control-by-event programming allows point(s) on one node to activate point(s) on other nodes
- NOTI•FIRE•NET™ Fire Alarm Control Panels (AM2020, AFP-1010, NFS-640 and NFS-3030) support industry standard BACnet™/IP connectivity to Building Automation Systems (BAS/BMS) via NOTIFIER's BACnet Gateway
- NOTI•FIRE•NET™ Web Server (NWS) provides remote read status capabilities from any worldwide location via the Internet/Intranet

- Inherently regenerative system means that each node acts as a repeater to reshape and regenerate data signals
- Failure of any node does not block node communications among surviving nodes
- High-speed data communications (312.5 Kbaud)
- Fire panels may be placed anywhere on the network with network communication modules
- Multiple NCSs and NCAs may be placed anywhere on the network
- The NCS and the NCA display all network activity or can be "mapped" to selected nodes
- The NCS and the NCA offer network control of system events, supporting enable/disable and activate/deactivate point as well as read status capability
- Uses small-gauge twisted pair wire (no shield necessary) for network media
- Optional fiber optic network media
- Network time synchronization
- Optional mixed wire/fiber optic network media utilizing repeaters
- NFPA Style 4 or Style 7 network operation
- Electrical isolation between nodes
- Supports NOTIFIER System 500 and System 5000 conventional fire alarm control panels as a sub-network

Specifications for UniNet 2000 and NOTI•FIRE•NET

Specifications are available with NOTIFIER's specification generation tool, Speci•Fire™ Plus. Speci•Fire Plus is a Windows™-based utility that leads the operator through simple point and click menus, where project needs are selected. A text specification is then generated and can be printed or placed into a larger document.



For over 50 years, NOTIFIER has been in a leadership position in the fire alarm industry. Today, we are the largest manufacturer of engineered fire alarm systems with over 400 distributors worldwide, and regional support operations on every continent helping to ensure we provide the flexibility and options your business needs.

Each quality NOTIFIER fire alarm system is manufactured in a state-of-the-art facility in the United States, Australia, Canada, Italy or United Kingdom. Each facility is ISO-9001 certified — the highest recognition in engineering and manufacturing. NOTIFIER manufactures products to meet virtually every international approval, including UL, FM, EN54, LPC and Lloyds, where applicable.

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Additional Locations:
Brisbane, Queensland,
Richmond, Victoria

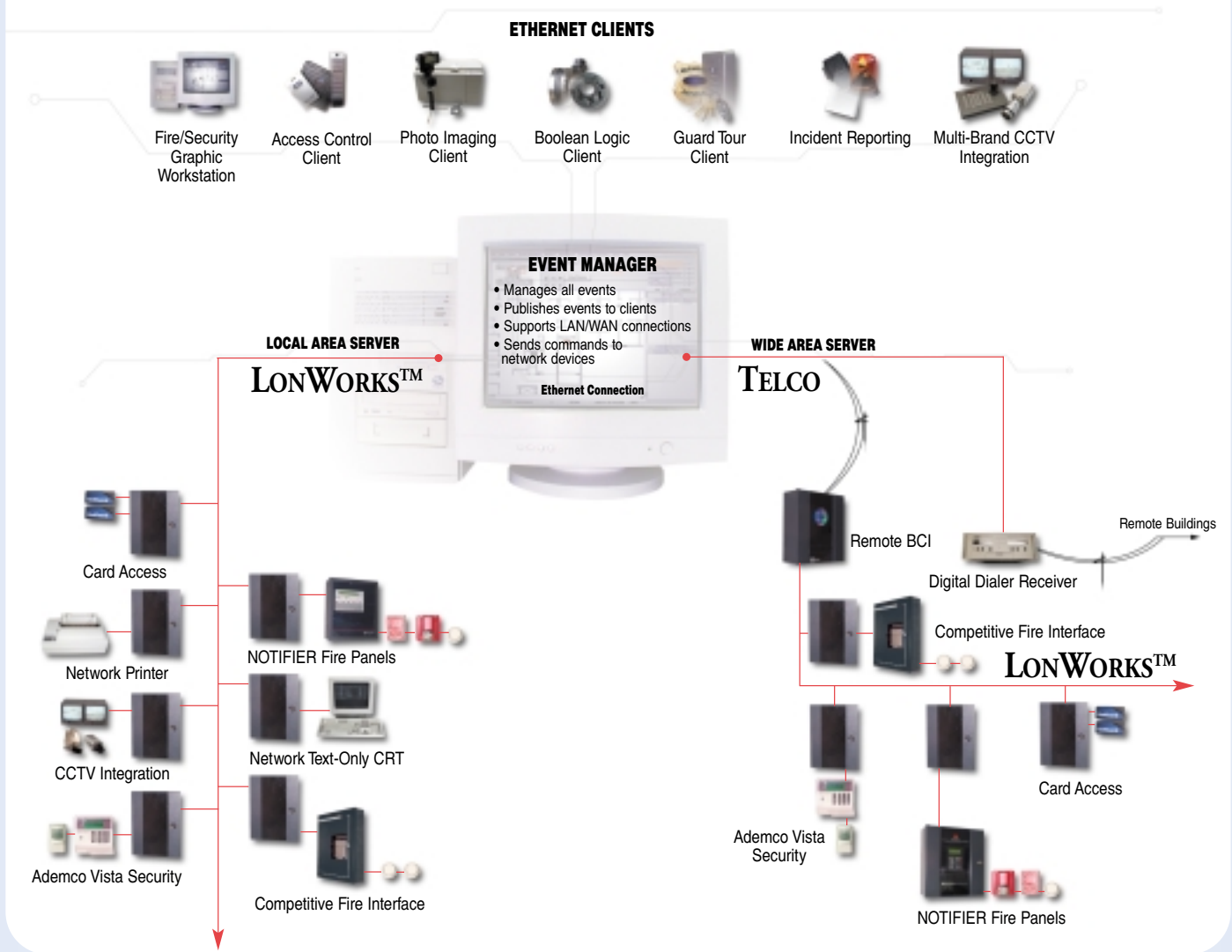




Delivering
a World of **Solutions**
in Fire Protection



Integrated Facilities Monitoring Network Encompassing a Full Array of Building Systems



NOTIFIER® is an established industry leader in the field of integrated networking. Now UniNet 2000 has redefined the concept of integrated networking with innovative new features and options. The UniNet 2000 network seamlessly integrates diverse fire and security building systems into a graphics-oriented platform, creating a unified command center for monitoring and controlling building safety systems.

Integrated networking with UniNet 2000 means that operators have a comprehensive interface for the diverse systems required in today's market.

UniNet 2000 Features

- Windows® 2000 support
- Listed by Underwriters Laboratory for fire (864), security (1076), and card access (294)
- State-of-the-art client-server technology allows easy upward migration as new features become available
- Supports multiple Ethernet clients: UniGuard (access control), UniBadge (photo imaging), UniLogic (Boolean logic), UniTour (guard tour), IRM/IM (incident reporting) and CCTV control
- Centralized member databases and security profiles
- Connects new and existing equipment into a Local Area Network (LAN) or Wide Area Network (WAN)
- Hot-redundant Local Area server capability, with automatic syncing of server information between primary and secondary
- Includes UniLogic, which uses event driven Boolean logic equations to command node outputs ON/OFF. UniLogic also provides time-controlled sequencing of multiple actions
- Complete graphics editing/drawing package

- User defined graphics with zoom levels
- Imported graphics support .WMF and .BMP formats
- Incorporates the ability to create links to text files, photos, and audio or video clips
- Automatic screen navigation per device locates proper floor plan
- History Manager provides flexible access to stored history events with filters and configurable automatic history backups
- Style 4 and Style 7 options for network media
- Common Network NION (Network In/Out Nodes) interface – monitors and controls multiple local and remote sites
- Addressable intelligent NIONs connect and control diverse multi-brand control panels or subsystems
- Special network transceivers permit twisted pair wire in point-to-point, bus and star configuration, point-to-point fiber optic and bi-directional fiber optic bus and ring network media
- Routers, repeaters, and bridges used to increase distance, configure network, or to change media type
- Discrete dry-contact NIONs provide network connection of non-intelligent control panels containing contact zone outputs
- Card access “plug-in” configures two-door controller NION on network and supports over 10,000 users
- Card access supports the use of Card + Pin number control
- CCTV software “plug-in” uses unique CCTV switcher NION
- UniNet-Online Web Server (UNINET-UOL) provides remote read status capabilities from any worldwide location via the Internet/Intranet

*Available through selected authorized NOTIFIER Distributors only

Conventional Panels and Communications

2- to 120-Zone

- Conventional fire alarm panels available from 2 to 120 zones
- Control communicators from 3 to 4 inputs or optional UDACT plug-in for other systems
- Field Charging Power Supply (FCPS) available for powering ADA/UL1971 devices
- Optional slave voice evacuation panel — Model VEC-25/50
- Standard LED or 7-segment displays
- Releasing controls for deluge and agent release



The 411 Series

411 Series Communicators

- Three models available:
 - 411 – Slave Communicator
 - 411UD – Slave Communicator with up/download
 - 411UDAC – Stand-alone Communicator with up/download
- Up to four input channels (3 on the 411)
- Fully programmable with PRO-411 or with Windows® utility (up/download models)



SFP-2402

SFP-2402 2-Zone Control

- Two Class B Initiating Device Circuits (Zones)
- Two Class B Notification Appliance Circuits, 3.0 Amps and programmable strobe synchronization
- i³™ Ready – conventional detection with drift compensation and maintenance alert
- Form-C Alarm and Trouble relays



SFP-2404

SFP-2404 4-Zone Control

- Four Class B Initiating Device Circuits (Zones) with Class A option module
- Two class B Notification Appliance Circuits, 6.0 amps, with Class A option and programmable strobe synchronization
- i³™ Ready – conventional detection with drift compensation and maintenance alert
- Form-C Alarm, Trouble and Supervisory relays



RP-1001

RP Series Releasing Controls

- Two models – RP1001 for pre-action deluge, RP1002 for agent release
- Four zones – cross, abort and manual release
- Four Notification Appliance Circuits – 2 for release, 2 for warning



SFP-1024

SFP-1024 10-Zone Control Communicator

- 10 Class B zones (Class A with option module)
- Built-in digital communicator
- 2 Notification Appliance Circuits, expandable to 4 (6.0 amps)



System 5000

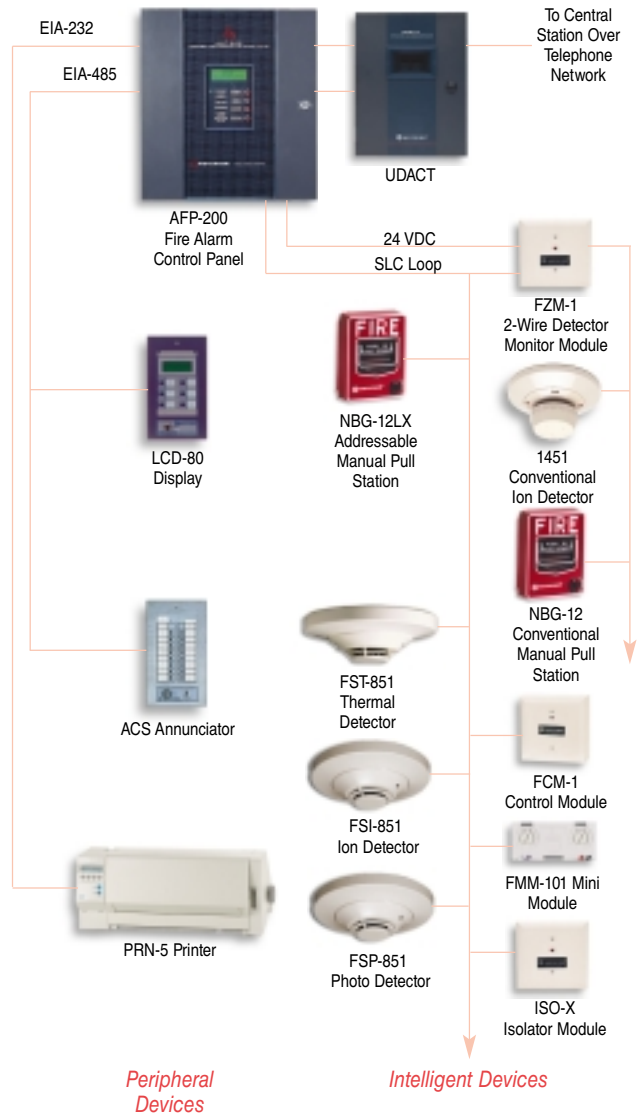
System 500/5000 Fire Alarm Control Panels

- Up to 120 circuits (zones) on the System 5000 and 16 on the System 500 (Class A or B)
- Standard LED or optional 80-character LCD back-lit display
- 100% field programmable with multiple passwords and non-volatile memory
- Releasing option with time delays, abort and manual release

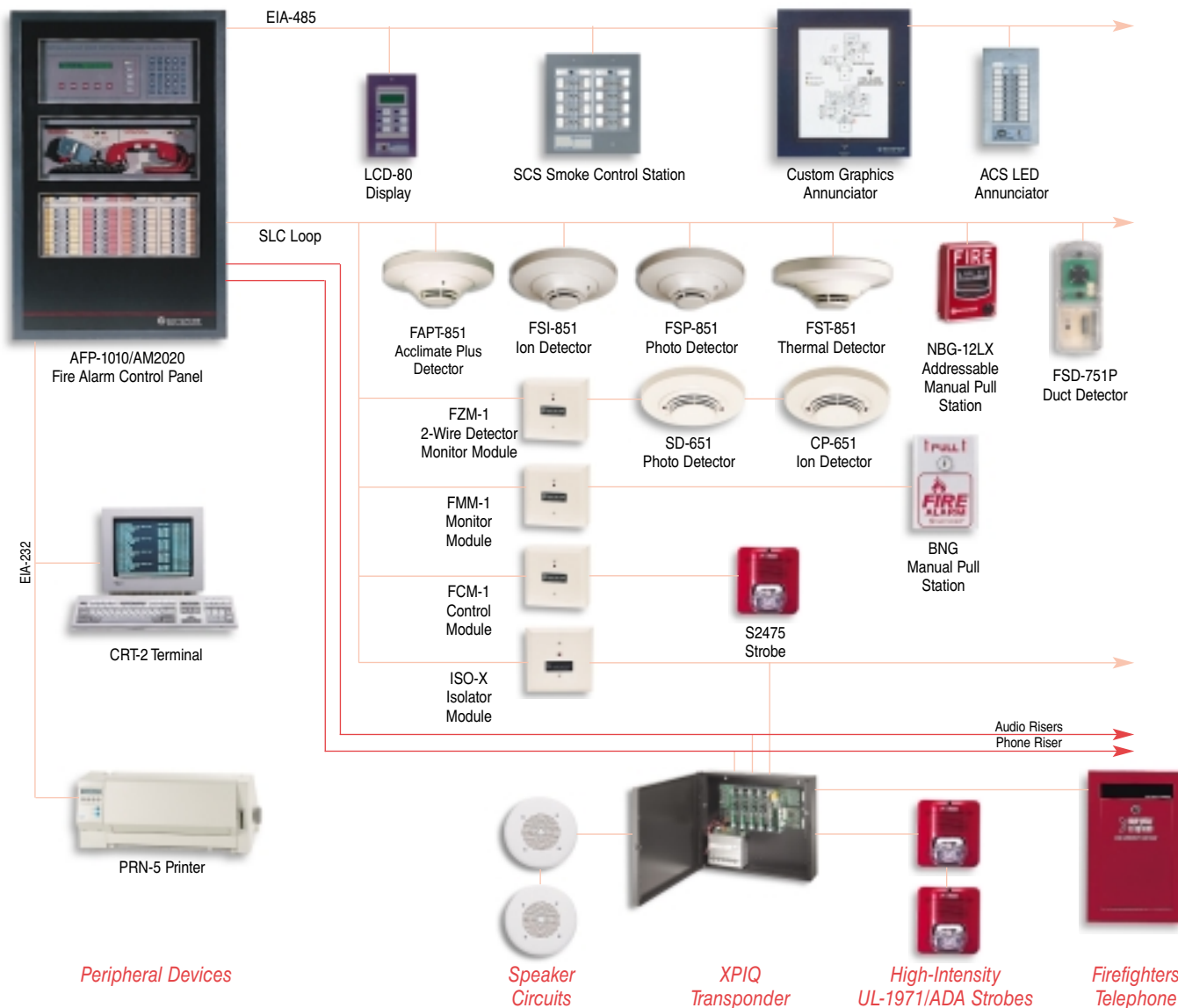
AFP-100/AFP-200 Features

Intelligent 1-Loop Fire Alarm Control Panel

- 198 intelligent device capacity, plus 103 programmable notification and relay circuits
- 5.0 amps of signaling power expandable to 11.0 amps
- Advanced intelligent features, such as pre-alarm, drift compensation, day/night sensitivity, maintenance alert, meets NFPA calibrated test
- Can operate with untwisted, unshielded wire
- Four independent releasing hazards
- Fully field programmable from PC with Veri•Fire™ utility, or from front panel
- Serial LCD, LED or graphic annunciators
- Network option to Noti•Fire•Net™



AFP-1010 and AM2020 Features



Intelligent 1- To 10-Loop Fire Alarm Control Panels

- Point capacity:
 - AM2020 — 990 detectors (ion, photo, multi or duct) and 990 modules (relay, NAC or monitor)
 - AFP-1010 — 396 detectors (ion, photo, multi or duct) and 396 modules (relay, NAC or monitor)
- Fully field programmable from built-in keypad or CRT, or off line with Veri•Fire Windows-based software utility
- 80-character, back-lit display
- Network option with support of over 100 nodes
- Serial LED, LCD and graphic annunciators
- 400-event history buffer
- 6.0 amps power supply with expansion in 6.0 amp increments and optional 6.0 amp field charging power supply
- One-man walk-test with report of misaddressed devices
- Powerful boolean logic equations (and, or, not, cross, delay, time/date)
- Pocket pager interface
- 80-column, 40-column printers and CRT available
- Advanced smoke control module with on-off-auto switches and status LEDs
- Remote, intelligent transponders
- High-capacity DACT, charger and zone coder
- Optional addressable monitor module supports NOTIFIER and non-NOTIFIER 2-wire detectors
- Optional voice and/or firefighter telephone
- Soft timers for auto silence, signal silence inhibit and verification
- Powerful programmable intelligent features:

Auto detector test	Pre-alarm
Sensitivity adjust from panel	Automatic drift compensation
Day/night sensitivity adjust	Alarm verification with tally
Maintenance alert(s)	Meets NFPA calibrated test
Multiple sensitivity levels	Status reports
- Intelligent XPIQ quad transponder allows up to 4 audio channels

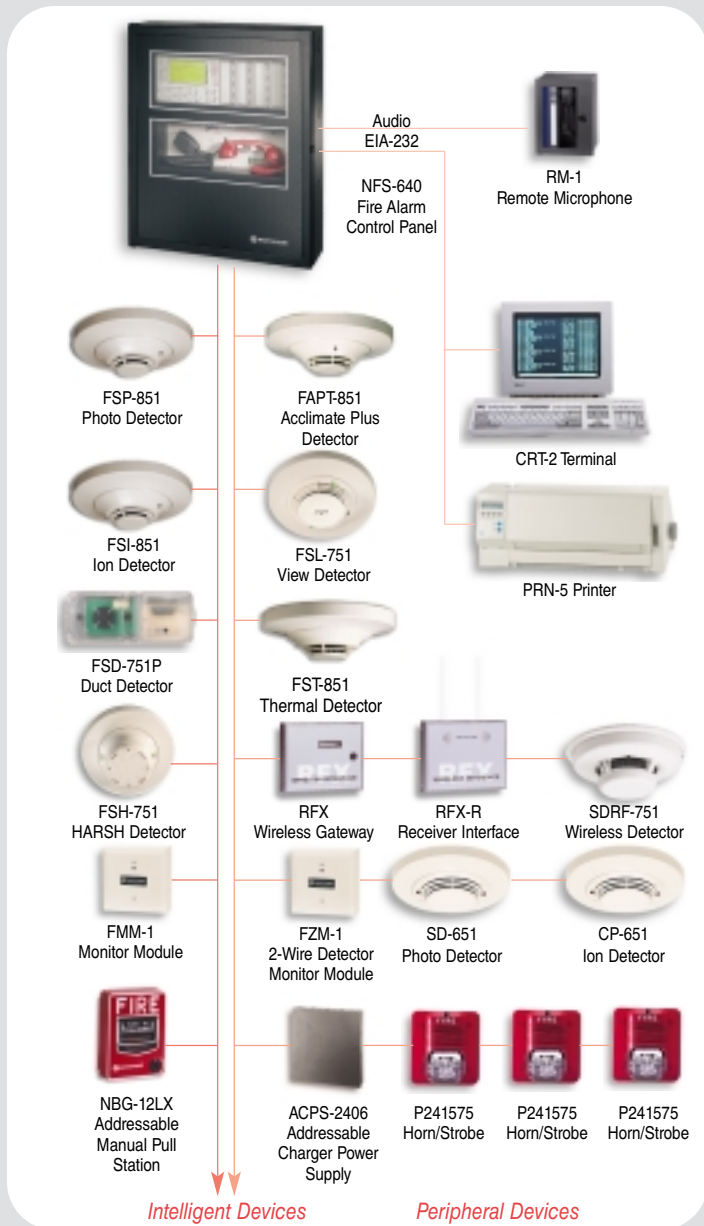
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 Windows is a registered trademark of Microsoft Corporation

ONYX™ SERIES

◀ Onyx NFS-640 Panel

Intelligent 1 to 2 Loop Fire Alarm Control Panel

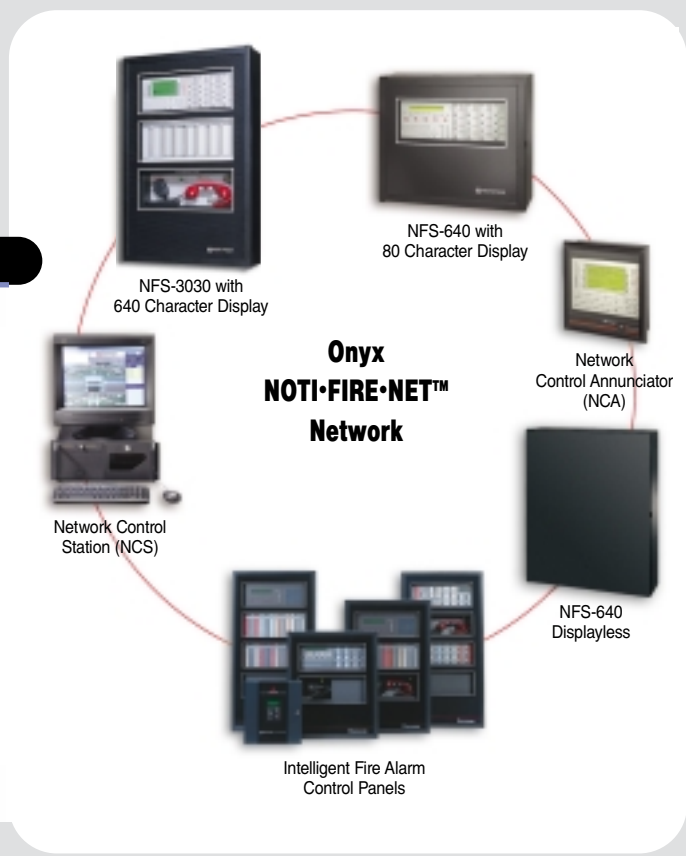
- One Signaling Line Circuit (SLC), expandable to two
- 318 devices per SLC (159 detectors and 159 modules), 636 devices per panel or network node
- 80-character, 640-character, or displayless (network node) operator interface options
- Complete intelligent system feature set with digital protocol, 9 levels of sensitivity, drift compensation and maintenance alert, and auto detector test
- 6.0 amp switch mode power supply with four Class A/B built-in NAC (Notification Appliance Circuits). Selectable System Sensor strobe synchronization
- Built-in Alarm, Trouble, and Supervisory relays
- Up to 64 output circuits per FACP or network node; circuits programmable
- Fully field programmable with 80-character display (includes QWERTY keypad) or offline with VeriFire™ Tools Windows - based program utility
- Unique environment Detection includes VIEW™ for clean environments, HARSH™ for dirty environments, and Acclimate Plus™ – a multi sensor that adjusts sensitivity automatically
- Optional integrated voice and firefighters telephone
- Sophisticated releasing capabilities with 10 hazard areas, abort, delay and discharge timers, and cross zoning
- Full line of power supply options, both internal including remote and models with built-in strobe synchronization
- Optional LED, LCD, and graphic annunciators



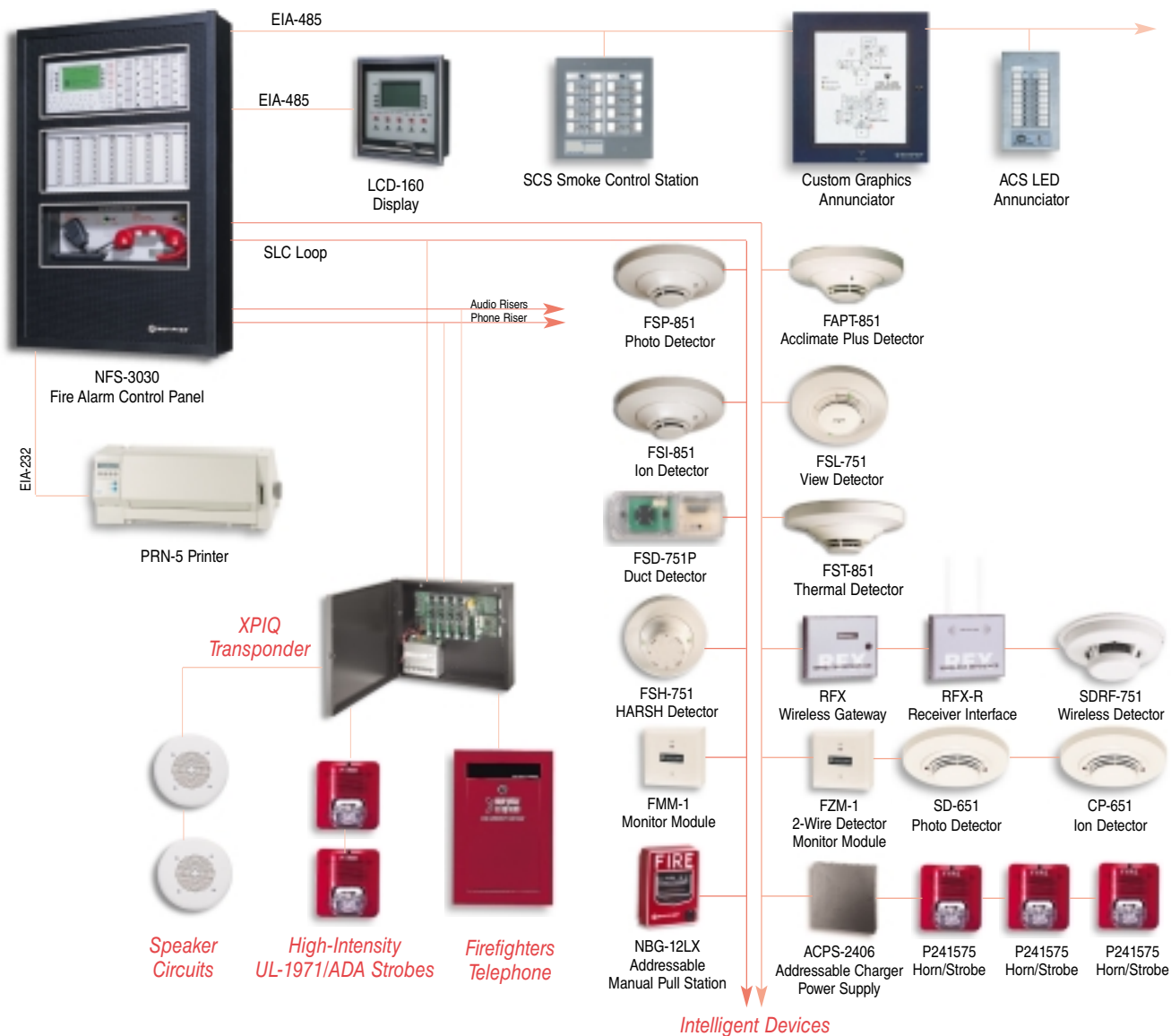
▶ Onyx NOTI•FIRE•NET Network

Onyx Network Options

- Network option within the same cabinet or distributed – up to 102 Network Nodes. Improved survivability
- True Peer-to-Peer communications using ARCNET™ technology
- Network Nodes can be NFS-640 fire panels, a 640-character NCA (Network Control Annunciator), NCS (Network Control Station) graphics PC, or facilities monitoring workstation (UniNet 2000) integration system
- Optional 640-character NCA displays events from the entire network and includes a full QWERTY keypad for network control
- Optional NCSs are UL-Listed PCs that offer complete control and programming of network nodes and displays event in a high-tech graphic format
- Wire or fiber optic between nodes with optional repeaters
- Network time synchronization
- Powerful network control-by-events allow points from one system to activate outputs on another system on the network
- Backward compatible with prior generation NOTIFIER intelligent control panels



Onyx NFS-3030 Panel



Intelligent 1- To 10-Loop Fire Alarm Control Panels

- 1- 10 Signaling Line Circuits Style 4, 6 or 7
- Point Capacity: Up to 159 detectors (any mix of ion, photo, laser photo, thermal, or multi-sensor) and 159 modules (N.O. manual stations, two-wire smoke, notification, or relay) per SLC
- Large 640-character LCD backlit display (16 lines x 40 characters) or displayless (a node on a network)
- NOTI•FIRE•NET™ compatible
- UniNet™ compatible
- Built-in Alarm, Trouble, Security, and Supervisory relays
- Up to 96 input or output panel circuits per FACP or network node; circuits configurable online
- Application code is saved in Flash memory, eliminating the need to change EPROMs
- Built-in Degraded Mode option. In the event of a CPU failure the loop control modules will continue to monitor fire alarm conditions
- Weekly Occupancy Schedules allow changing sensitivity by time of day and day of week
- Optional universal 2040-point DACT
- EIA-485 annunciators, including custom graphics
- Printer interface (80-column and 40-column printers)
- History file with 4000-event capacity in nonvolatile memory, plus separate 1000-event alarm-only file
- Advanced history filters allow sorting by event, time, date, or address

- Alarm Verification selection per point, with tally
- Positive Alarm Sequence (PAS) Presignal
- Silence inhibit and Auto Silence timer options
- March time and temporal signals supported on panel circuits
- Field-programmable on panel or on PC, with VeriFire™ Tools program, also check, compare
- Non-alarm points for lower priority functions
- Remote ACK/Signal Silence/System Reset/Drill via monitor modules
- Powerful Boolean logic equations - 1000
- Supports SCS Series smoke control system in both HVAC or FSCS modes
- EIA-232 printer port
- EIA-485 annunciator port
- Multi-detector algorithm involves nearby detectors in alarm decision (U.S. Patent 5,627,515)
- Automatic detector sensitivity testing
- Backlit, 640-character display
- Program keypad: full QWERTY keypad
- Up to nine users, each with a password and selectable access levels
- 10 LED indicators: Power; Fire Alarm; Pre-Alarm; Security; Supervisory; System Trouble; Other Event; Signals Silenced; Point Disabled; CPU Failure