

ONYX Series UniNet® 2000

Integrated Facilities Monitoring Network



Network Systems

General

UniNet® 2000 is the next generation in advanced technology to monitor and control security, fire, card access, CCTV, and other facility information over a proprietary LonWorks™ network. UniNet 2000 is designed to allow a mixture of different technologies and manufacturers to operate on the same network. The LonWorks network supports a variety of topologies and media and is an industry-standard open architecture.

The UniNet 2000 PC workstation is the operator interface to the UniNet system. It features plug-in applications, allowing continued expansion of workstation and network functions. These applications can add new features to the software, implement features specific to certain devices, or even add situation- and facility-specific features.

The workstation uses Microsoft® Windows® 2000, providing an easy-to-use and -learn graphical user interface. The operator is presented with a consistent look and operation for all monitored equipment. The workstation features customizable screens and allows a wide variety of configuration options for any situation.

The UniNet 2000 workstation has the ability to monitor multiple local device networks and remote sites.

Features

- Rack mountable 2.0 GHz Pentium® IV processor with 1 GB of RAM with 19" flat-screen LCD monitor, sound and speakers, and 80 GB hard disk.
- Auto-navigation (selectable for each device) automatically locates and zooms to the device related to an alarm or event, based on the priority of the event.
- System Administrator-definable security, monitoring, and control profiles allow for extremely flexible definition of operator accounts.
- Operates under Microsoft Windows 2000 Professional.
- Dynamically generated sizable key map.
- New and Acknowledged Event boxes display all off-normal events, simultaneously with graphic screens.
- Operator log with response tracking.
- History Manager records operator, event, and response (with time and date stamp) to disk.
- Dynamic search filters for custom reporting of all events.
- Screen database with screens for all local and remote sites.
- Administrator-definable macros for device communication.
- Definable function keys, functional buttons, and navigational buttons.
- Floor plans can be zoomed in and out to any level. Devices can be placed at any zoom level.
- Full linked multimedia (text, audio, video, and bitmaps) to any device, all definable by the administrator.
- View, switch, and control CCTV cameras with a live on-screen camera display. Control pan, tilt, zoom, and focus on cameras.
- Device pulldowns and proximity displays for device-specific information and functions.
- Import vector (.WMF) drawing files or bitmaps (.BMP).
- Voice annunciation using definable sentence structuring (optional).
- Labeling of hazardous material (HAZMAT) areas and handicap special needs using information labels with full linked multimedia.
- Complete field-editing of all aspects of the system.
- Event printing connected to workstation or network.
- Graphics printing for floor plans, reports, and device listings.
- Plug-in architecture allows for control of device-specific functions remotely.
- HVAC plug-in provides remote zoned control and annunciation of the NION-ENV for 5- to 8-ton rooftop units.
- Control of security and fire panels (extent of control determined by panel model).
- Badge/card printing options available.
- Backup capability of screen, member, and history databases.

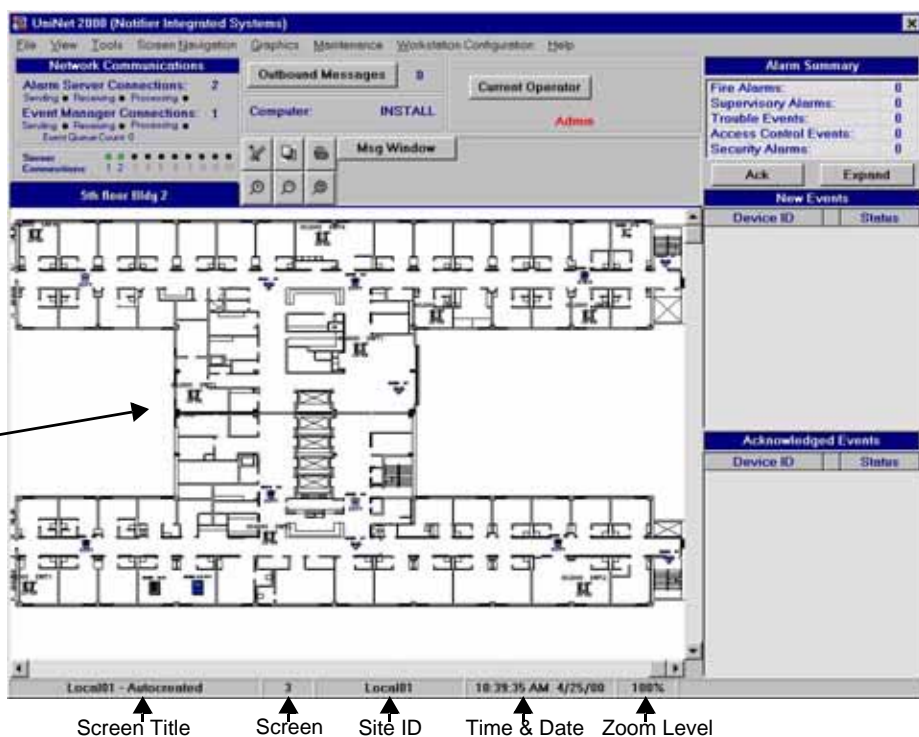


ONYX-PC-pho.jpg

UniNet 2000 Workstation Software

Network Communications Control Section

Floor Plan Display



Event Counters (configurable)

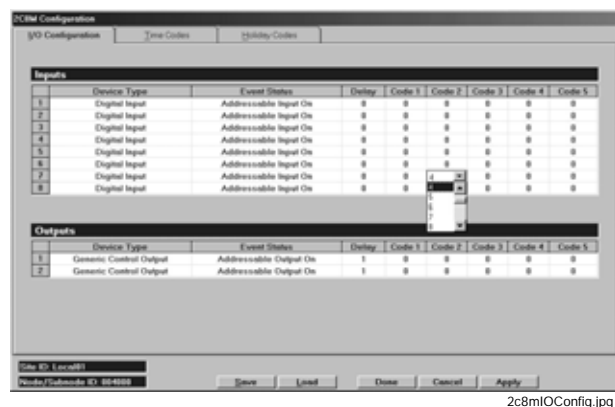
← Expand Button

Unacknowledged Event List

Acknowledged Event List

Typical Plug-In Tools and Workstation Applets

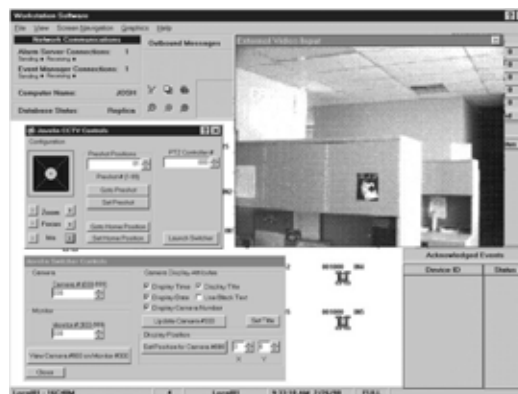
NION-2C8M/16C48M



2c8mIOConfig.jpg

- Inputs can be configured for automatic enable and disable using user-defined schedules.
- Outputs can be configured for activate and deactivate.
- Input/Output Configuration, Time Codes and Holiday Codes can be set on the same tabbed form.
- Configuration settings are downloaded and stored in the NIONs.
- Inputs have the following definable parameters: Device Type, Event Code, Delay, Time Code.
- Inputs can be controlled with these commands: Arm, Disarm, Override, Disable.

CCTV AND CAMERA CONTROL



cctvmock2.jpg

- Live video window.
- Switcher and PTZ interfaces available for several models by Javelin®, Burle, Pelco and Vicon.
- On-screen pan, tilt, and zoom control.
- Switch cameras to external monitors.
- Use cameras to take member and operator snapshots.
- Auto-pan feature.
- Set up monitor sequencing or video tours.
- Assign camera presets and macros.
- On-screen focus and iris control.

NOTE: Refer to specific switcher interfaces for complete feature lists.

HISTORY MANAGER

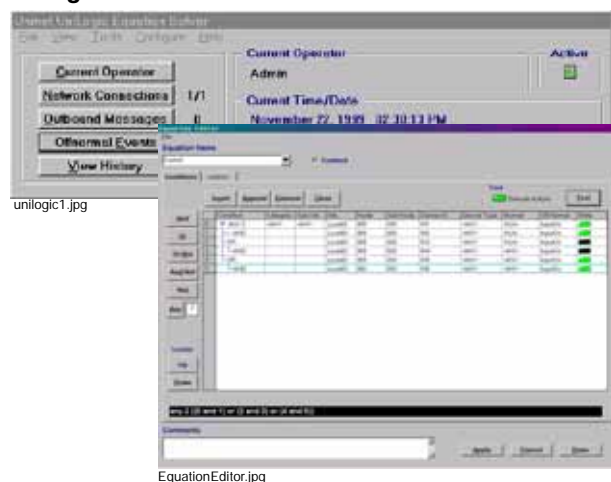


- Logs events, including system start, with time and date.
- Number of events logged limited only by the size of the hard drive.
- Filters for device ID, status, actual time, receive time, text, index, event type, value, site, device type, ack, display id and units.
- Print custom reports.
- Logs user responses.
- Backup warning at 100,000 events.
- Logs operator actions with related events.

SPECIALIZED CLIENT APPLICATIONS

Additional client software applications are also available when using UniNet 2000 for access control, guard tour or automated logic applications. General features of several of these applications are listed below. More detailed information on many of these products is available in data sheets specific to each application.

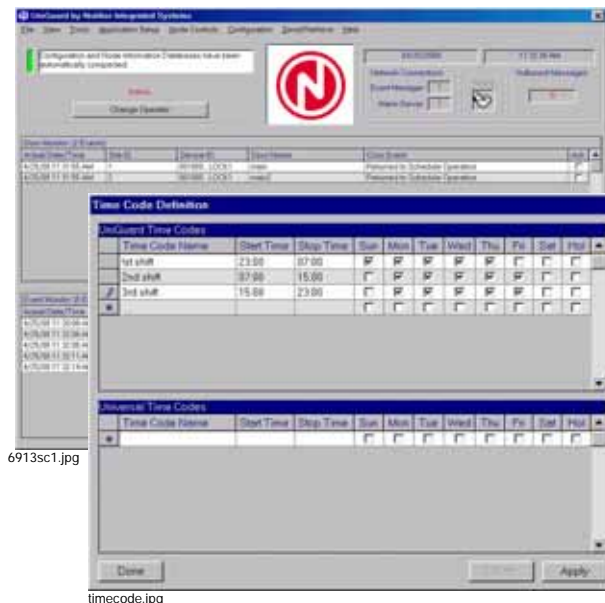
UniLogic™



UniLogic is a system tool that provides automated response to events based on user defined conditions using simplified Boolean logic.

- UniLogic, as a client of the networked event manager application, monitors events as they occur on the network and performs actions based on conditional statements.
- All conditions and related actions are completely configurable using the Equation Editor provided with the application.

UniGuard™ ACCESS CONTROL



UniGuard is a configuration tool for NOTIFIER card access controllers either on a UniNet 2000 workstation or as a stand-alone system. It can be used to monitor and control. Features include:

- Control multiple door controllers at multiple locations.
- Definable operator accounts and access levels.
- Logging of events to history.
- Specify open and close delay times for doors.
- Define and configure time codes, time code groups, doors, door groups, access codes, holiday codes, and the card database.
- On-screen annunciation of events, including the ability to view information about an event or cardholder.

UniBadge ID BADGE CREATION



UniBadge is used to create and print access control and identification badges using information stored in Microsoft Access databases. The administrator can either create or import member information to be saved in the UniBadge member database.

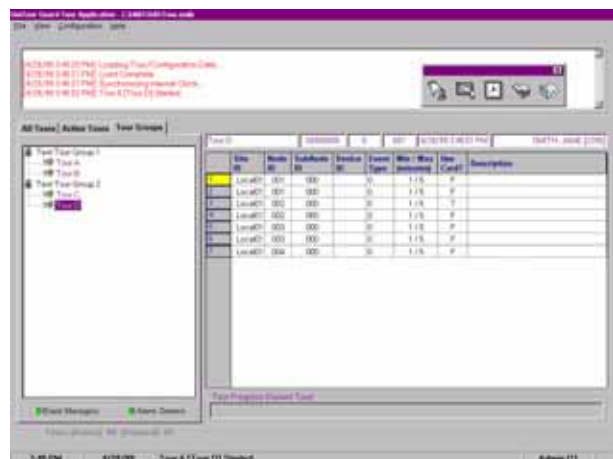
- Graphical definition and configuration of users and profiles, badge templates, template groups, data definition fields, and data source configuration.
- Import member databases from the UniNet 2000 workstation or UniGuard application to use for badge printing.

- Supports barcode configuration and printing; supports printing on mag-stripe and prox cards with the Fargo® ProL series printers.
- Definable operator accounts and access levels.
- Link data definition fields on badge templates to fields in the data source database.
- Complete control of badge template appearance, including use of static bitmap images, text and graphic fields using included tools.
- Organize badge templates into groups.
- Use with LaserJet® printers for paper copies in portrait or landscape orientation — for personnel files, etc.

U2IRM AND U2IM

- The Incident Reporting Module (U2IRM) and Incident Manager (U2IM) are unique software programs designed to log all central station events — alarms and troubles as well as human-generated external events outside the system such as phone calls, radio calls, and 911 calls. To aid in maintaining daily report logs, the reporting system allows all of these various events to be cataloged into incidents. Each incident displayed can be opened and closed by the operator as required, allowing human events and system events to be connected.
- The module provides a completely configurable database manager with optional custom fields that can be used for a variety of purposes. For example, when generating manual incidents outside the scope of the monitoring network (i.e., incidents that do not involve devices of any type), a descriptive field is required. The system-defined fields are likely to reference network devices, while custom descriptive fields such as memo or multi-select fields allow the operator to type in or select predefined descriptions. Applications for multi-select fields include lists of injuries, office visitors, staff assigned to investigate an incident, radio calls describing vehicles, or standard police codes.
- The IRM is also capable of supporting the Windows 2000 dual-monitor function. This function permits two full screens to be opened at all times, for example, the graphics alarm screen along with the Incident Report Manager.

UniTour GUARD TOUR



UniTour is used to facilitate the performance of security tours. Tours are defined as ordered sets of network monitored checkpoints. A minimum and maximum time interval is assigned to each of these points. A guard must move between points within the allotted time and electronically register attendance at each point along the way.

- History log of events received and processed, operator activity and network status information for each tour schedule.

- Provides real-time notification of guard tour status as well as an audit trail for guard activity.
- Checkpoints are physical inputs monitored by the network through nodes such as the NION-2DRN, NION-16C48M or NION-2C8M.
- An input device can be a Card Reader (recommended), Key Switch, or Manual Contact Closure.
- Card readers assigned to a guard tour can also be used as access control devices for other employees, allowing free movement to authorized employees while providing UniTour functions.

UniNet-UOL



6913uol.jpg

- UniNet Online (UniNet-UOL) is a web-based application that operates with the UniNet 2000 (version 2.1 or higher) network through your browser's Internet, intranet, or dial-up connection, allowing remote viewing and monitoring of all your network devices regardless of their make or brand. UniNet Online meets UL and ULC Listing requirements and provides remote read-status of all the NOTIFIER fire panels on your UniNet 2000 network. UniNet Online can also provide event information for a range of fire alarm control panels, security panels, and other systems from multiple vendors. Compatible with version 5.0 or higher of Microsoft Internet Explorer.

UniNet 2000 Device Network Capacities

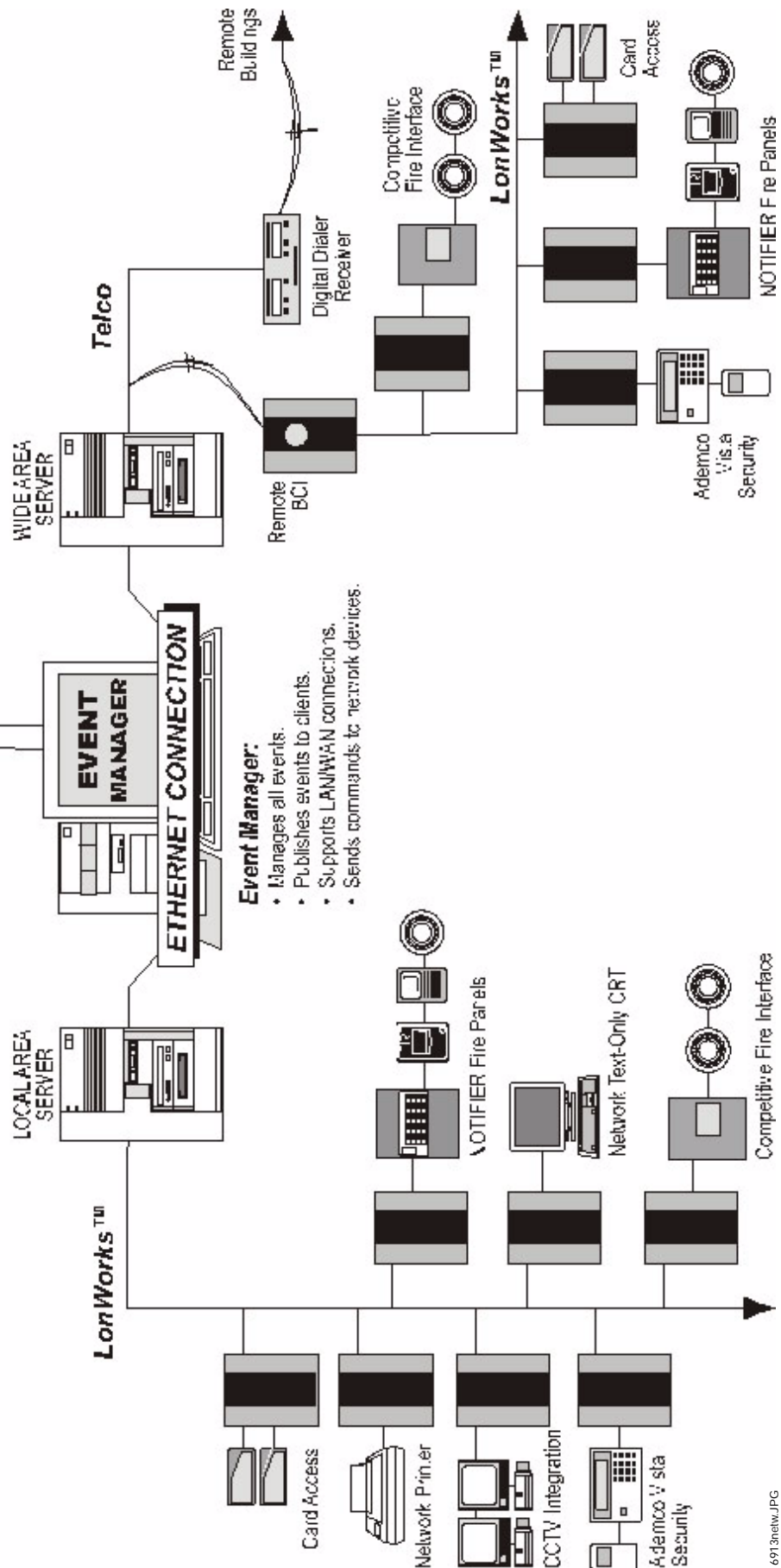
The standard physical layer of the UniNet 2000 system is a transformer-coupled twisted-pair or fiber-optic cabling operating at 78.5 or 1250 Kbps respectively. Network formats include FT-10 (Free Topology) which allows: (a) 8,000 foot (2438.4 m) point-to-point; (b) 6,000 foot (1828.8 m) bus topology with a maximum of 64 nodes; or (c) 1,500 foot (457.2 m) maximum radius from origination with multiple T-taps; or FO-10 optical fiber (using the DFXC network transceiver) for bus-style network segments to a maximum of 10,000+ feet (3048 m) between nodes through message/signal regeneration at 1250 Kbps.

Each node is continuously monitored by a network server, and a fault condition will be reported if any node becomes disconnected from the network.

The UniNet 2000 architecture can support up to 99 servers in wide- or local-area configurations.

UniNet® 2000 TOTAL BUILDING SYSTEMS INTEGRATION

ETHERNET SOFTWARE CLIENTS



6913netw.JPG

Network Features

- LonWorks technology.
- Robust 78.5 Kbaud or 1250 Kbaud network and multiple network topologies:

FT-10 style run allows multiple T-taps within a 1,500 foot (457.2 m) radius; 8,000 foot (2438.4 m) point-to-point using twisted pair; or 6,000 foot (1828.8 m) bus topology. FT-10 can also use fiber-optic cabling. Operates at 78.5 Kbaud. See DN-6916, SMX Transceivers data sheet.

FO-10 style run allows bus or ring topology using only fiber-optic cabling; node-to-node distance of over 10,000 feet (3048 m) using message regeneration. Operates at 1250 Kbaud. See DN-6916, SMX Transceivers data sheet.

Style 7 S7FTXC FT-10 style run with SMX transceiver allows network media interface for Style 7 wire-based FT-10 topology. See DN-6916, SMX Transceivers data sheet.

Routers, repeaters, and bridges available to increase distance, network configuration or change media (FO-10, FT-10, fiber). See DN-6917, Routers data sheet.

- Connection to most control panels via RS-232 serial port.
- Discrete monitoring of dry contacts and input supervision to ensure proper network operation.
- Multiple workstation options.
- Optional RS-485 connection to panels.
- Support for up to 99 servers in any combination of local and wide area.

Standards

The basic UniNet 2000 system is UL Listed to following Standards:

- UL Standard 864 (fire)
- UL Standard 1076 (security)
- UL Standard 294 (access control)

NOTE: Not all NION types and features described in this document are available for the UL-Listed networks. Please consult the factory for the latest listing status.

Listings and Approvals

These listings and approvals apply to the devices specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing status may be in process. Consult factory for latest listing status.

- **UL Listed:** S5526
- **ULC Listed:** S635, S6010
- **CSFM:** 7300-1525:100
- **MEA:** 292-98-E

Specifications

Contact NOTIFIER for specifications.

Product Line Information

UniNet 2000 ONYX® SERIES WORKSTATION COMPONENTS

UniNet 2000 ONYX Series Workstation Graphics User Interface (GUI) software and hardware package: Includes UL-Listed rack mountable graphics PC with Intel® Pentium IV — 2.0 GHz, 1 GB RAM, 80 GB hard disk, CD-RW/DVD-ROM, 56K modem, sound, mouse, powered speaker option, WSSUP workstation supervisor board, Ethernet card, one GUI workstation software license, and software key. Includes UL-Listed 19" flat-screen LCD monitor.

U2WKS-2.0-ONYX: Workstation; UniNet 2000 ONYX Workstation GUI software and hardware package.

U2WKS-2.0L-ONYX: Local Area Server; UniNet 2000 ONYX Workstation GUI software and hardware package for Local Area Network. Includes ISA Echelon® Local Area Server communications board, Local Area Server software, Event Manager software, and license for up to 128 nodes.

U2WKS-2.0R-ONYX: Redundant Local Area Server; UniNet 2000 ONYX Workstation Graphics User Interface software and hardware package for Redundant Local Area Network. Includes ISA Echelon Local Area Server communications board, Local Area Server software and license for up to 128 nodes.

U2WKS-2.0W-ONYX: Wide Area Server; UniNet 2000 ONYX Workstation GUI software and hardware package for Wide Area Network. Includes 8-port serial expansion board, UniNet 2000 Wide Area Server software, Event Manager software, and license for up to 10 ports and support for up to 25* remote BCI sites per port. *NOTE: Consult factory for high-network-traffic (Access Control/Security) remote sites.

U2LAS-1R: Redundant Local Area Server; add to existing U2WKS workstation for "HOT" redundant backup.

UNINET-UOL: UniNet 2000 Online Web Server.

UNIGUARD: UniNet 2000 Access Control Application; see data sheet DN-6919.

UNIBADGE-CAP: UniNet 2000 Online Web Server.

U2-UNITOUR-1: UniNet 2000 Guard Tour Utility.

U2IM: UniNet 2000 Incident Manager.

U2IRM: UniNet 2000 Incident Reporting Module.

UniGuard™ and UniLogic™ are trademarks and Notifier®, ONYX®, and UniNet® are registered trademarks of Honeywell International Inc. LonWorks™ is a trademark and Echelon® is a registered trademark of Echelon Corporation. Microsoft® and Windows® are registered trademarks of Microsoft Corporation. Intel® and Pentium® are registered trademarks of Intel Corporation. LaserJet® is a registered trademark of Hewlett Packard. Javelin® is a registered trademark of ADEMCO Security Group. Fargo® is a registered trademark of Fargo Electronics.

©2008 by Honeywell International Inc. All rights reserved. Unauthorized use of this document is strictly prohibited.



This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.



Made in the U.S.A.

For more information, contact Notifier. Phone: (203) 484-7161, FAX: (203) 484-7118.
www.notifier.com