

iCOM

technology

iCOM™ ROUTERS — SIGNALING THE FUTURE

Lightning-fast, supervised secure Network Monitoring is yours with iCOM Routers from DMP — the leader in Network Monitoring.

- Fast, secure network communications
- Full supervision of LAN/WAN/Internet communication
- Exceeds UL requirements for UL AA High Line Security and UL 864 Fire Protective Signaling
- No phone lines required

WHY iCOM

iCOM technology is quickly becoming the standard for monitoring retail chains, government facilities, financial institutions, school systems, as well as commercial and residential installations. Communicate via your Network and Voice Over Internet Protocol (VoIP) connection for fast, high quality, low cost monitoring.



iCOM TECHNOLOGY ALARM ROUTERS — iCOM™ / iCOM-E™ / iCOM SL™

STANDARD FEATURES ON ALL iCOM MODELS

- Programming via DMP LCD Keypad, laptop or PC
- TCP/IP addressing or DHCP for dynamic IP addressing
- Provides constant network communication path supervision between the panel and receiver
- Supports full DMP Serial 3 format to SCS-1R Receivers
- Easily installs in panel enclosure using universal edge-mounting or 3-hole pattern
- Remote panel programming over the network
- Average UDP message size of 63 bytes has minimal impact on network bandwidth
- Flash-updateable ROM
- Uses the panel auxiliary power output, eliminating the need for an external power supply
- UL Listed
- Designed and manufactured in the U.S.A.

SIGNALING FEATURES

- Supervision between premise and alarm equipment is managed by the SCS-1R Central Station Receiver
- Messages transmitted via UDP protocol, as required by UL, guard against certain denial-of-service attacks
- The SCS-1R Receiver and iCOM Routers can accommodate 2500 supervised accounts with a single network line-card
- Message authentication
- Task specific panel-to-receiver communication technology eliminates the need for additional computers and servers
- Primary and secondary target IP addresses for backup central station receiver

iCOM NETWORK ROUTERS

EASY INSTALLATION

Easily install any iCOM Network Router in the panel enclosure by simply snapping into the enclosure using the 3-hole pattern or use the universal edge-mounting option. All iCOM Routers are powered by the panel, so external power supplies and additional batteries are things of the past.

SIMPLE PROGRAMMING

Program by using any DMP LCD keypad, a laptop, or PC using the Hyperterminal program already on your computer. No additional software is needed for programming.

ON-BOARD STATUS LEDS

Multiple on-board status LEDs help users determine when the unit is transmitting data to and receiving data from the panel. Additional LEDs verify network activity and that network communication is in a normal condition.

LINK MULTIPLE STORES, BRANCHES OR AGENCIES

Use iCOM Technology for supervised central station monitoring without the expense of leased lines, toll charges, or radio towers. Network multiple sites via company LAN/WAN or the internet for monitoring and remote programming.

iCOM FEATURES

- Provides Network Monitoring™ capability to XR500, XR200, and XR200-485 Command Processor™ panels when using a 462N Interface Card
- XR500N Series and XR2500F panels also provide optional on-board RS-232 Network connections
- UL listed for Commercial Fire without additional phone lines

iCOM-E FEATURES

- Adds 128-bit Rijndael encryption to the standard iCOM features
- Compatible with XR500, XR2500F, XR200, and XR200-485, Command Processor panels
- Meets U.S. Government Advanced Encryption Standards (AES)
- NIST validated and UL listed for encryption
- Accepts encrypted and non-encrypted signals when installed in an SCS-1R receiver
- Use in high-security environments and Sensitive Compartmentalized Information Facility (SCIF) applications

iCOM TECHNOLOGY ONBOARD

XR500N, XR500E, and XR2500F panels now ship with iCOM Technology onboard so your system is network ready right out of the box.

iCOM_{SL} FEATURES

- Network slave-communicator
- Compatible with DMP panels and ANY manufacturer's panel
- Six inputs/Six outputs/Nine programmable Zone Types
- Input Mode allows iCOM_{SL} use in stand-alone applications
- Keypad Mode allows full DMP Serial 3 communication from XRSuper6, XR20 and XR40 Command Processor panels
- UL Listed for High Line Security (UL AA) as a slave communicator for any UL Listed commercial burglar alarm panel

iCOM_{SL} CONFIGURATIONS

- **iCOM_{SL}-XR/AA:** Provides UL AA High Line Security network communication for DMP XRSuper6M, XR20M, or XR40M Command Processor™ Panels.
- **iCOM_{SL}-12V/AA:** Provides UL AA network communication for non-DMP 12 VDC commercial burglary panels.
- **iCOM_{SL}-XR5/NACT:** Provides 12 VDC network communication for DMP XR5FC FACP (Fire Alarm Control Panel) panels.
- **iCOM_{SL}-12V/NACT:** Provides 12 VDC network communication for non-DMP FACP installations.
- **iCOM_{SL}-24V/NACT:** Provides 24 VDC network communication for non-DMP FACP installations.

iCOM/iCOM-E SPECIFICATIONS

Primary Power 12 VDC
Current Draw 78.1mA
Dimensions 0.75" x 3" x 5.5"

iCOM_{SL} SPECIFICATIONS

Primary Power 12/24 VDC
Current Draw 80mA
Dimensions 0.75" x 3" x 5.5"

iCOM/iCOM-E PANEL COMPATIBILITY

XR500 Series, XR2500F, XR200, XR200-485

iCOM_{SL} PANEL COMPATIBILITY

ALL DMP Command Processor panels and/or any manufacturer's alarm panel.

ACCESSORIES

462N Network Interface Card
SCS-101 Network interface for SCS-1R Receiver
396 PC to iCOM/iCOM-E Programming Cable
397 RS-232 DB-9 Cable (XR500 Series)
350B 3-hole pattern mounting plate (Slide-in)
350D 3-hole pattern mounting plate (Snap-in)

SOFTWARE OPTIONS

Remote Link Remote Programming
System Link End-User Management
Link Server Remote Link Server Database Option
Link Add-on Modules

LISTINGS AND APPROVALS

Refer to the iCOM Installation Guide (LT-0587), iCOM-E Installation Guide (LT-0587), and iCOM_{SL} Installation Guide (LT-0631) and specific compliance listings for installation and programming requirements necessary to meet a particular approval.

iCOM/iCOM-E/iCOM_{SL}

Underwriters Laboratories (UL) Listed
UL AA High Line Security
California State Fire Marshal (CSFM)
FCC Part 15

For additional information, access www.dmp.com and select Compliance.

iCOM-E

UL Encrypted High Line Security
NIST AES Algorithm Certificate #66 for iCOM-E only. See <http://csrc.nist.gov/cryptval/aes/aesval.html>



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