

# Internet/Intranet Alarm Communications

Maximize security and convenience with Internet/Intranet alarm communications



**BOSCH**  
Invented for life



# Features and Benefits

Receipt of all transmitted data packets, whether initiated from the protected premises or from the central station D6600 Receiver, is acknowledged end-to-end leaving no doubt that information arrives as intended. The D6600 NetCom System uses the new National Institute of Standards and Technology/Advanced Encryption Standard (NIST/AES) Rijndael encryption algorithm, meeting U.S. Government requirements for high security Intrusion Detection Systems (IDS) using data networks for alarm communications.

This multiple award-winning system has been an industry leader, becoming the first product that uses the Internet for alarm communications to receive an Underwriters Laboratories Listing for use in UL 864 Commercial Fire Alarm System applications. This listing makes it possible for many thousands of networked commercial locations to eliminate the expense of telephone lines that are dedicated to the central station fire signaling system. The D6600 NetCom System is also listed for use in UL 1610 Grade AA Burglary and Line Supervision applications.

- **UL Listings for Burglary and Fire applications**
- **Secure monitoring to replace older communications technologies such as Morse® and Wells Fargo® multiplex systems**
- **Supervised monitoring without recurring charges (i.e. the monthly charges incurred with cellular, derived channel or radio systems) for customers with existing LAN/WAN facilities**
- **Superior communications content with G Series panels using Modem IIIa<sup>2</sup> format**
- **Routing to multiple network addresses and/or telephone numbers based on primary/backup/duplicate designations and/or signal type with G Series panels**
- **Monitoring of frequent events such as access control events without incurring any per message charges**
- **A choice of manufacturers for future alarm panel purchases**
- **RAM IV control of G Series panels via high speed network connection**
- **C900V2 Dialer Capture Module: Compatible with most manufacturer's digital dialer based alarm panels**
- **D6600: Industry standard central station receiver integrating Network and Digital Dialer monitoring and communicating to Automation Database Systems in SIA protocol**
- **Allows users to save their existing investment in installed alarm systems**
- **No reprogramming of existing panels, no retraining of branch, store or office personnel with the C900V2 Dialer Capture Module**

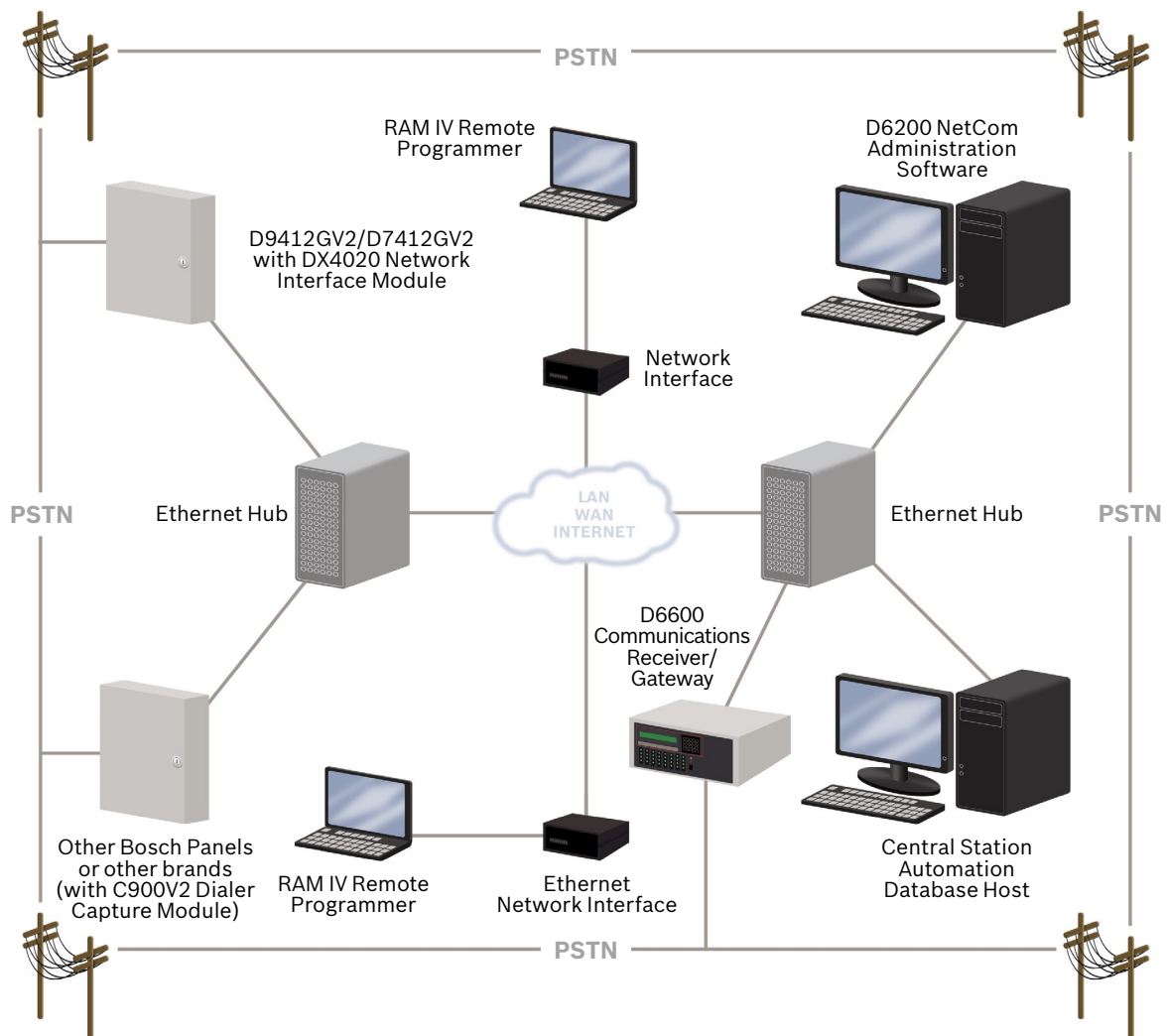
**The D6600 NetCom System saves time and money while providing secure, supervised communications in financial institutions, retail store chains, government offices, industrial and business parks, colleges and university campuses.**

# Get Connected with NetCom

**NetCom is a combination of hardware and software that provides a solution for transmitting Alarm Events over the Internet or a private intranet using UDP/IP packets. This method results in virtually instantaneous event transmissions to the Central Station via a D6600 Receiver.**

Alarm panels from Bosch Security Systems and almost all other panel manufacturers can now send full data messages via both LAN/WAN and a telephone line to one D6600 Communications Receiver/Gateway. The Data Network's communications link is supervised continuously, and telephone line communications over the Public Switched Telephone Network (PSTN) are built-in as a backup means of communications in case the LAN/WAN connection is lost. This sought-after capability is achieved through the use of the DX4020 Serial Network Interface Module or the patented C900V2 Dialer Capture Module.

Remote programming of the G Series security controls (D9412GV2/D7412GV2/D7212GV2) is accomplished from anywhere on the LAN/WAN. Additionally, the bandwidth consumed from supervision is so small that many thousands of alarm panels can be monitored without creating a noticeable impact on the network.





Get the speed, power, reliability, and economy you need with the D6600 NetCom System while investing in the finest, state-of-the-art communications technology.

## So long land-based telephones!

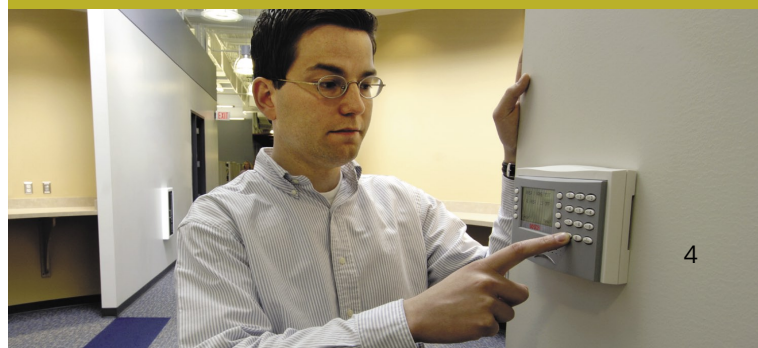
### **Innovation rules**

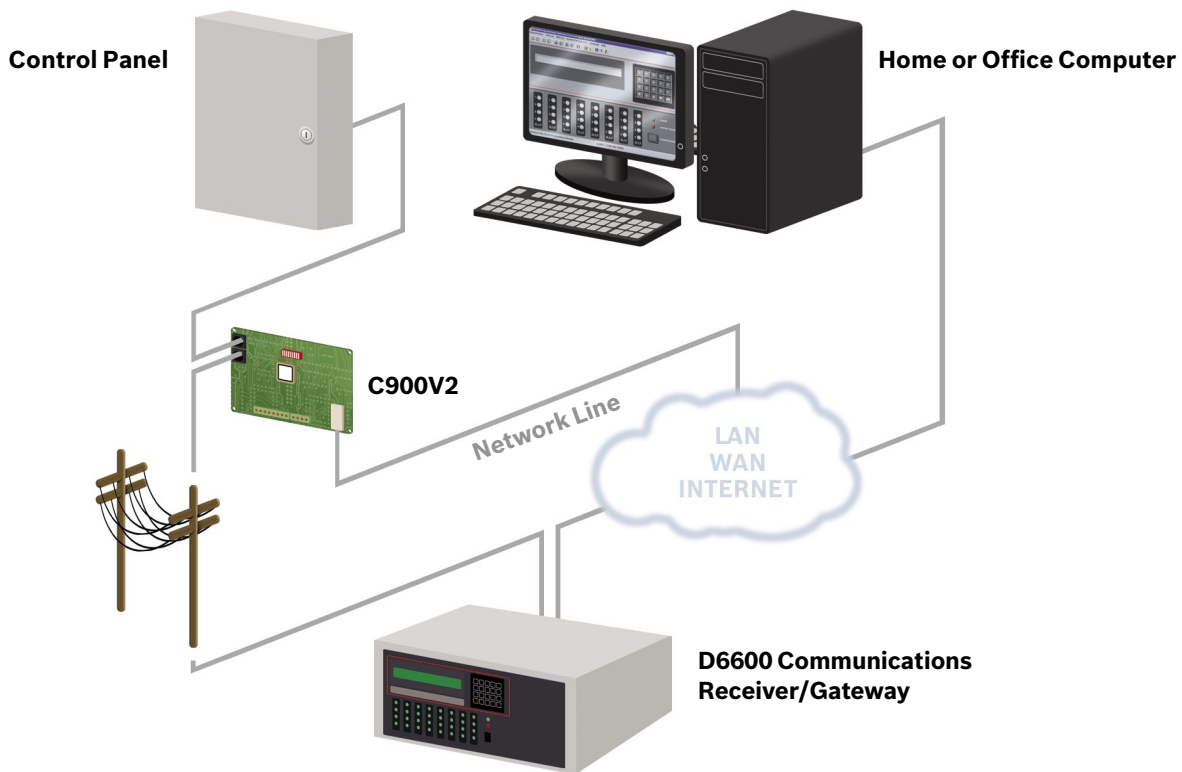
Bosch Security System's C900V2 updates a conventional alarm control panel to use high speed Internet protocol (IP) rather than a telephone connection for central station alarm notification. This means that an alarm event will not tie up the telephone line because the alarm is transmitted using an existing high speed Internet connection. Phones remain in operation so important voice calls can get through.

The C900V2 Dialer Capture Module lets your alarm panel operate over the Internet independent of the public switched telephone network (PSTN). All the data needed to send an alarm event is easily transmitted by Internet connection, including user numbers and zone numbers, so your central station remains fully informed and able to respond to any emergency.

### **Nothing to learn**

Best of all, the existing alarm panel does not need to be modified to use the C900V2 Dialer Capture Module. This means that the panel operates exactly as it always has – there is no new routine or programming to learn. It is the same panel but, thanks to the C900V2, it just connects using the Internet rather than a telephone when sending status signals or alarm notification.





### NetCom technology inside

Bosch paired the C900V2 Dialer Capture Module with its innovative NetCom technology to improve the usefulness, reliability and protectiveness of conventional alarm control panels. NetCom is integration software that accepts analog signals from the panel, digitizes the information and then formats the data for fast Internet transmission, bringing the benefits of proactive digital networking to a traditionally passive device. NetCom also sends a “heartbeat” status signal that maintains a steady, positive system acknowledgement with the central station. NetCom’s speed, constancy and accuracy complements the C900V2 and heightens the protective shield created for families or businesses by making alarm monitoring proactive rather than reactive.

### C900V2 Features and Benefits

- High speed message transmission
- Full data communication, including user numbers and zone numbers
- Frees telephone line during status checks and alarm events
- No changes needed to existing panel
- No learning new system prompts or programming
- Proactive monitoring with conventional alarm panels
- “Heartbeat” status signal
- Easy installation
- Works with control panels using a standard digital dialer format made by most every manufacturer, not just Bosch panels

**Put the power and speed of the D6600 NetCom System to work for you!**

**For more information on the D6600 NetCom System, contact your local security dealer.**



**Bosch Security Systems**

130 Perinton Parkway  
Fairport, NY 14450  
phone: 800.289.0096  
fax: 585.223.9180  
[www.boschsecurity.us](http://www.boschsecurity.us)

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