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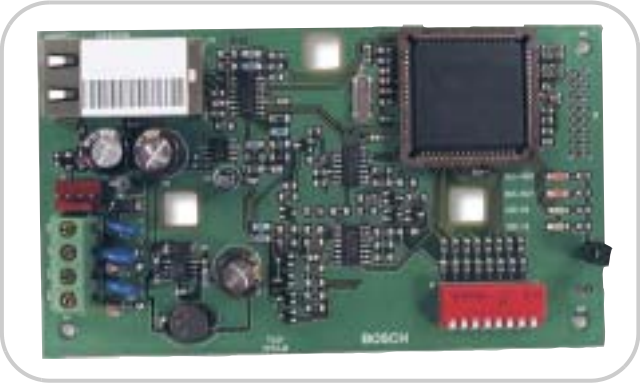
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DX4020 Network Interface Module

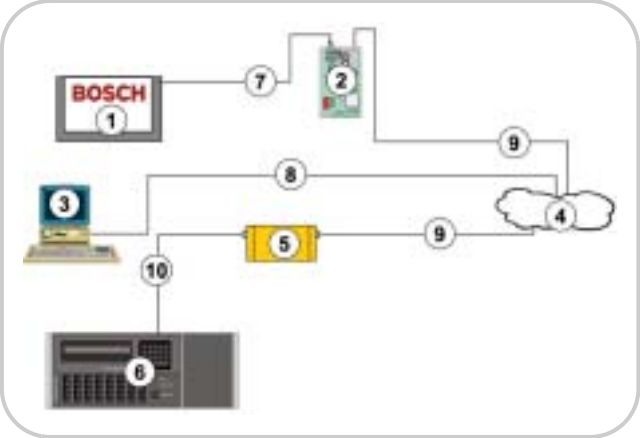
Prod. ID	DX4020



The DX4020 Network Interface Module creates two-way communications over ethernet networks for specific Bosch security control panels. Typical uses include:

- Reporting with D6600 NetCom Central Station Receiver (CSR)
- Remote administration with Remote Programming Software (RPS) or RPS-Lite
- Connecting to a PC for programming with PC9000 or System 3T software

System Overview



The system overview diagram shows a D6600 NetCom System using a compatible Bosch Security Systems control panel, DX4020 Ethernet Interface Module, D6600 Receiver, and a D6680 Network Adapter.

1. Compatible control panel, such as D9412G, D7412G, D9412, D9112, D7412, or D7212
2. DX4020 Network Interface Module (Ethernet)
3. Host PC running D6200 Programming Administrative Software
4. Ethernet network
5. D6680 Network Adapter
6. D6600 Central Station Receiver
7. 9000 Series Control Panel SDI Bus connection to DX4020 SDI Bus terminals
8. Ethernet network connection to Host PC Ethernet Network Interface Card (NIC)
9. Ethernet network connection to D6680
10. D6680 connection to D6600 COM4 Port

Features

- 10/100 network connection
- Full-duplex and half-duplex support
- Three-hole mounting pattern
- Support for static IP addresses and dynamic IP addresses (such as DHCP)
- DIP switches for address and bus programming
- Control panel light emitting diodes (LEDs)

Functions

Control panel LEDs

There are four control panel LEDs that provide information about the transmission and receipt of data.

Red LEDs	**Function**
BUS RX	Data bus receives data from control panel
BUS TX	Data bus transmits data to control panel
Green LEDs	**Function**
SER RX	RS-232 receives data from serial device
SER TX	RS-232 transmits data to serial device

There are also two network diagnostic LEDs that provide information about the network connection. Refer to the *DX4020 Installation Guide* (P/N 49522) for details about the network diagnostic LED functions.

DIP switches

Use the DIP switches to easily assign an address to the DX4020 Network Interface Module.

Programmable IP address

Use ARP and TELNET commands from any PC to program the DX4020 Network Interface Module's IP address. The IP address can be dynamic using DHCP or the IP address can be static.

Approvals

UL Standards	UL1610, Central Station Alarm Units UL864, Control Unit Accessories, System
Approvals	CE

Planning

Compatibility information

Network interface module	DX4020 Network Interface Module
Front-end software packages	• PC9000 • System 3T
Remote programming	• RPS/RAM IV
Alarm Transmission	• D6600 NetCom Central Station Receiver
Compatible control panels (version 6.3 or later)	• D9412G Control Panel • D7412G Control Panel • D7212G Control Panel • D9412 Control Panel • D9112 Control Panel • D7412 Control Panel • D7212 Control Panel
Compatible enclosures	• AE1 Enclosure • AE2 Enclosure • AE4 Enclosure • D2203 Enclosure • D8103 Enclosure • D8109 Enclosure

Connection considerations

The DX4020 uses a standard CAT 3/5 cable with an RJ45 plug to connect to the network. A two-wire connection from the control panel bus and two wires connect to the control panel or a power supply for DC power.

Mounting considerations

The DX4020 Network Interface Module mounts to the standard three-hole patterns in supported Bosch control panel enclosures. With the D137 mounting bracket, the DX4020 Network Interface Module mounts to other enclosures.

Specifications

Environmental Considerations	
Dimensions	3 in. x 5 in. (7.6 cm x 12.7 cm)
Operating Temperature:	+32°F to +122°F (0°C to +50°C)
Relative Humidity:	5% to 85% at 86°F (30°C) non-condensing
Power Requirements	
Current:	10BaseT: 80 mA nominal, 84 mA maximum 100BaseT: 100 mA nominal, 110 mA maximum
Voltage (Operating):	12 VDC nominal

Hardware Accessories

D137 Mounting Bracket



Used to mount accessory modules in D8103, D8108A, D8109, and D8109L Enclosures.

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Specifications are subject to change without notice
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