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Conettix D6680 Ethernet Network Adapter



- ▶ Two channel adapter
- ▶ Network interface
- ▶ Serial interface

The Conettix D6680 Ethernet Network Adapter is a two-channel network adapter. The D6680 connects the Conettix D6600 Communications Receiver/Gateway RS-232 Data Port to an Ethernet LAN/WAN. One adapter is required for each D6600 serial port with a direct connection to a data network (LAN/WAN).

Certifications and Approvals

Standards: UL1610 and UL1635, Central Station Alarm Units
UL864, Control Unit Accessories, System

Approvals: CSFM (1615:179)
FM

Install the Conettix D6600 Communications Receiver/Gateway in accordance with NFPA 70, NFPA 72 and the local Authority Having Jurisdiction (AHJ). The Conettix D6680 Ethernet Network Adapter is suitable for Central Station Protective Signaling when it is installed and used in compliance with NFPA 72 and ANSI/NFPA 70. Installation limits for Digital Alarm Communicator Receivers (DACR) are under the jurisdiction of the user's local authority.

For UL Listed Fire Installations, equipment between Ethernet Interface Modules and the D6680 is required to be UL Listed Information Technology Equipment.

Installation/Configuration Notes

Compatibility Information

Receivers: Conettix D6600 Communications Receiver/Gateway

Location and Enclosures

The D6680 must be installed in the same room as the D6600 and within 15.2 m (50 ft) of the D6600. Required for UL Central Station Protective Signaling, the D6680 must be mounted in a separate enclosure such as the AE1 (gray) or the AE2 (red).

Parts Included

Quantity	Component
1	Serial cable

Technical Specifications

Electrical

Power Requirements:	9 VDC to 30 VDC, or 9 VAC to 25 VAC External adapter included.
Power Consumption:	3 W
AC Current Required:	UPS Standby Current:35 mA

Power Input: AC nominal operating range 120 VAC or 240 VAC
AC maximum operating range 100 VAC to 240 VAC ~ 50 Hz /60 Hz
0.2 A maximum

Standby Power: An Uninterrupted Power Supply is required for use with the D6680, when used for UL FIRE Protective Signaling Systems. A 60 hour minimum UPS standby power supply is required for UL Certification.

Mechanical

Unit Dimensions: 16.5 cm x 11.3 cm x 36 mm (6.5 in. x 4.46 in. x 1.39 in.)

Enclosure Dimensions: 31.8 cm x 36.8 cm x 76 mm (12.5 in. x 14.5 in. x 3 in.)
The enclosure is manufactured from 1.0 mm (20 Gauge), cold-rolled steel. A keyed lock is included.

Weight: 0.48 kg (1.1 lb)

Protocols Supported: ARP, UDP, TCP, Telnet, ICMP, SNMP, DHCP, TFTP, HTTP, BootP and ECHO

Serial Connectors: DB25: RS-232/RS-322/RS-485 serial port with DCE configuration
DB9: RS232 serial port with DTE configuration

Network Connectors: 10BASE-T or 10BASE-FL
LAN/WAN: RJ-45 Modular Jack (Ethernet)

Ethernet Cable: Category 3 or better unshielded twisted pair. Maximum length 100 m (328 ft).

RS-232 Cable: Maximum length 15 m (50 ft).

Data Rates: Serial speed ranging from 300 bps to 115.2 kbps.

Serial Line Formats: Characters: 7 or 8 data bits
Stop bits: 1 or 2
Parity: Odd, even, none

Modem Controls: RTS, CTS, DSR, DCD, DTR

Flow Control: XON/XOFF
CTS/RTS

Management: HTTP (internal web server)
SNMP (read only)
Serial login
Telnet login

System Software : Flash ROM standard. Downloads from a TCP/IP host (TFTP) or over serial port.

Diagnostic LEDs: Network Transmit, Network Receive, Good Link, Collisions, Channel 1 Status, Channel 2 Status, and Diagnostic

Compatibility: Ethernet: v2.0/IEEE 802.3
Conettix D6600 Communications Receiver/Gateway

Environmental

Operating Temperature: +5°C to +49°C (+41°F to +122°F)

Storage Temperature: +40°C to +66°C (-40°F to +151°F)

Ordering Information

Conettix D6680 Ethernet Network Adapter	D6680-E120
Ethernet 120/240 VAC adapter for use with the Conettix D6600 Communications Receiver/Gateway.	

Accessories

AE1 Standard Enclosure (Gray)	AE1
Standard gray enclosure made of 1.0 mm cold-rolled steel. Includes a keyed lock. The dimensions are 35.6 cm x 31.8 cm x 7.6 cm (14 in. x 12.5 in. x 3 in.).	

AE2 Standard Enclosure (Red)	AE2
Standard red enclosure made of 1.0 mm cold-rolled steel. Includes a keyed lock. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in. x 12.5 in. x 3 in.).	

D8004 Transformer Enclosure	D8004
Houses the AC plug-in transformer, ensuring that the transformer remains fixed securely to the AC wall outlet. Appropriate for applications such as fire alarm, that might require a transformer enclosure.	

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