D6600 Conettix IP System Quick Guide

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What is Conettix IP?

Conettix IP is an award-winning 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.

Why is Conettix IP better?

- Compatible with almost all manufacturers' control panels – simple integration into an existing system
- Smallest bandwidth consumption – no required IT upgrades
- Authentification of every message
- No third party message routing
- Easy device programming from desktop with no additional hardware required
- 32 lines – most available
- CSFM (California State Fire Marshal) Listed
- Supports 128-bit Rijndael Encryption

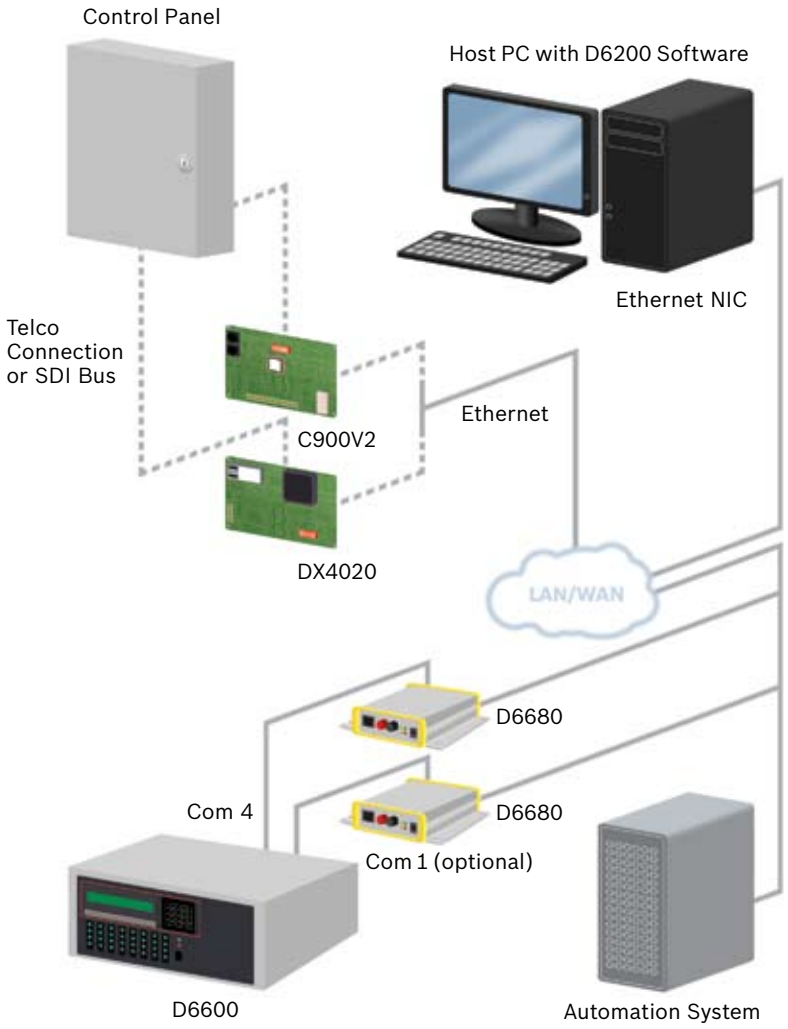
Why should you use Conettix IP?

- Save time and money
- Uncompromising security and reliability

Conettix IP...

- provides high speed alarm transport with high security.
- can utilize existing networks without placing a significant load on the network.
- eliminates the need for costly additional or dedicated phone lines.
- is a fully integrated solution that can retrofit virtually any dialer-based panel in the market.
- was the first of its kind to receive the UL864 Listing for Commercial Fire Applications.
- was the first of its kind to receive a CSFM Listing for primary fire alarm signaling.
- is UL1610 "Grade AA" Listed for Burglary and Line Supervision applications.
- supports both Static IP and Dynamic IP addressing using DHCP.
- UDP/IP packets average 64 bytes, which consume minimal bandwidth

Typical Application



Glossary

UDP (User Datagram Protocol) – this protocol is used when an application's messages require a single datagram; hardware or software must supervise or acknowledge each packet to ensure it is received correctly as in the Conettix IP system

Internet – interconnected system of networks that connects computers around the world and facilitates data communication services such as remote log in, file transfer, electronic mail, the World Wide Web and newsgroups

Intranet – A privately maintained computer network that can be accessed only by authorized personnel

Datagram – a packet of digital data

Bandwidth – amount of data that can be passed along a communications channel in a given period of time

DHCP (Dynamic Host Configuration Protocol) – allows a device attached to the network to automatically learn some or all of its network configuration, including its IP (Internet) address

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D6600 Receiver and Accessories

	Model Number	Description
	D6600 Communications Receiver/Gateway	Capable of supporting up to 32 PSTN (Public Switched Telephone Network) lines with each line's settings being independently configurable. Features front panel LCD display for programming, status and event information. Caller ID, ANI and DNIS compatible. PC-based platform design for future expandability.
	D6610 CPU Card	The CPU Card is the main processor for the D6600 Receiver. One D6610 is included with every D6600 Receiver. Features re-programmable FLASH memory for software upgrades, 20,000 event history buffer and direct interface to automation computers.
	D6615 CPU I/O Terminator Card	The Terminator Card is required to terminate the CPU Card and is included with every D6600 Receiver. It has 2 male DB-9 RS-232 Serial Ports, 1 DB-25 Parallel Port, 2 Programmable Inputs, 2 Programmable Outputs and I/O signal isolation and transient suppression.
	D6641 PSTN Line Card	Supports 4 phone lines and features front panel LED indicators for On-line and Line-fault status conditions. Supports multiple communications formats including Modem II/IIIa², CID, BFSK, SIA, ITI, Silent Knight FSK and various pulse formats with others being added continually.
	D6645 PSTN Line Card Terminator	Provides isolation and transient protection of the incoming phone lines to the D6641 Line Cards. One is needed per D6641.
	D6672 COM 1 Expansion Package	Adds a Male DB-9 RS-232 Serial Port to the D6600 Receiver as COM 1 that can be used with a second D6680 for expansion of the Conettix IP system.
	D6690 SAFECOM Line Card	Adds SAFECOM Long-Range Radio capability that supports up to 2500 SAFECOM Radios. Supports up to 4 RF-2000 Radio Modems per line card and an additional 4 with the installation of a D6691 SAFECOM Expansion Card. Requires 1 D6695 SAFECOM Termination Card per D6690.
	D6691 SAFECOM Expansion Card	Adds an additional 4 ports to an existing D6690 Line Card to support up to 8 RF-2000 Radio Modems per D6690. Requires a D6690 SAFECOM Line Card. Requires 1 D6695 SAFECOM Termination Card per D6691.
	D6600CD CD-ROM	Contains the D6200 software, the latest D6600 firmware, D6600 Receiver documentation and the D6202 Automation Simulator for testing purposes.

Conettix IP Accessories

	Model Number	Description
	D6680-E120 Network Adapter	Used to connect the D6600 Receiver to an IP-based network to support Conettix IP accounts. The D6680 converts the Serial output of the D6600 to anIP-based format that can be used over a network.
	D6201 Conettix IP Security Key	The Parallel Port Security Key is used to enable up to 3,200 Conettix IP accounts per receiver. This key is used on the parallel port of the PC that is utilizing the D6200 software to program the D6600 Receiver.
	D6201-USB Conettix IP Security Key	These keys are used with the USB port of the PC that is utilizing the D6200 software to program the D6600 Receiver. The D6201-500-USB adds 500 accounts per receiver, while the D6201-USB adds 3200 accounts per receiver.
	DX4020 Network Interface Module	This SDI Bus Module is used by the G Series Control Panels to communicate with Conettix IP over an IP-based network by taking the SDI bus data and converting it to UDP/IP data. This module supports 10/100 network connectivity and is a 3 x 5 in. card that does not require an additional enclosure.
	C900V2 Dialer Capture w/ Network Interface Module	Captures alarm and event data from dialer-based control panels and re-routes the signals via Conettix IP. It can be used on virtually any existing dialer-based control panel.