



Radionics®

D6600 Communications Receiver / Gateway Specification Sheet

Standard Features

- Receives signals from up to 32 telephone lines simultaneously
- Multiple formats in same line card
- Integrated listen-in capability with two way audio
- PC platform provides for future expansion
- Optional internal printer with automatic paper take-up reel
- Programmable input and output for each line for signal annunciation and supervision
- Patent pending Caller ID alarm processing feature
- Superior signal decoding capability based on advanced DSP technology
- Modular design
- FLASH EPROM programmable for remote software upgrades
- Direct interface to automation computers
- Front indicator LEDs for on line and line fault conditions
- Built-in power supply with 110VAC or 220 VAC input
- Fits standard 19" rack mount (optional counter top legs)
- Automatic or manual operation
- 5000 Event Buffer
- Separate Terminator Cards with isolation and transient suppression components
- UL Listed for Fire and Burglary
- Multiple methods to support audio listen-in products, including:
 - switching to audio mode automatically on a specific receiver line
 - switching to audio mode upon receipt of a specific alarm contact on a specific receiver line
 - switching to audio mode automatically with an account code range on a specific receiver line
 - switching to audio mode automatically after receipt of a SIA listen-in request
- A programmable buzzer alerts the central station dispatcher to each completed transmission.
- Separate acknowledge button for manual acknowledgments in manual mode
- Telephone line supervision circuit for each line



Description

The D6600 is a digital Communications Receiver/Gateway which incorporates Digital Signal Processing (DSP) techniques to receive and analyze alarm and supervision data. With the capability to receive multiple digital reporting formats, it provides the flexibility to interface with most digital alarm communicators. Using Flash EPROM technology, software upgrades can be downloaded to provide instant access to new features and enhancements.

Hardware Design

Housed in a standard rack-mount enclosure, the D6600 hardware platform includes a power supply, RS232 automation computer interface, printer port, user interface and two-line 80 character LCD display. The D6600 provides expansion up to 32 lines in a standard 19" rack mount enclosure. Each line card supports multiple formats. The line cards are 'hot' serviceable from the front panel access. The built-in power supply is configurable for use with 110VAC, 220VAC and 50Hz or 60Hz.

Software/Firmware Design

The D6600 uses a new PC based platform to achieve maximum performance with the ability for future expansion. Digital signal processing techniques are used to analyze incoming signals. This provides increased reliability and flexibility.

Major Transmission Formats Received

Radionics: Modem II
Modem IIe
Modem IIIa²
BFSK

SIA: SIA DCS (Bell 103 and V.21 versions)

Ademco: Contact ID
High Speed
Express

FBI: Super Fast

ITI: All major ITI formats

Scantronics: Scancom

Sescoa: Super Speed

Acron: Super Fast

All common pulse formats

Automation Outputs

Radionics 6500

New Extended 6600 Mode

Radionics SIA

