



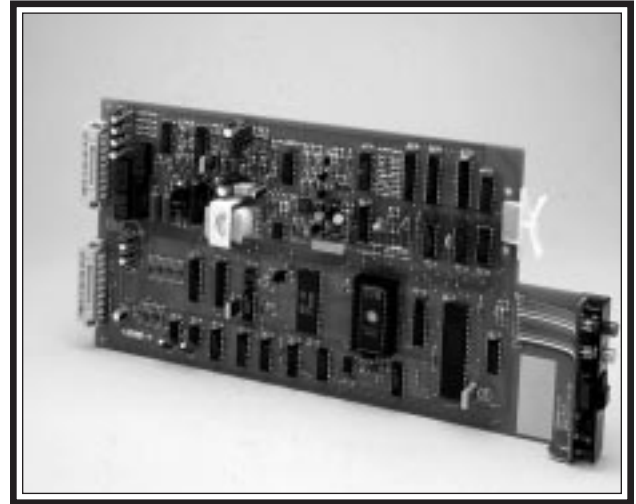
**Radionics**<sup>™</sup>

## D6541 CONTACT I.D. Line Card

(for the D6500 Receiver)

### Standard Features

- Processes all major DTMF formats, including:
- Contact I.D.
- Ademco 4x1 Express
- Ademco 4x2 Express
- Ademco High Speed
- FBI Super Fast
- Acron Super Fast
- Sur-Gard 4x3
- Scantronics Scancom
- Superior Signal Decoding capability
- "Hot" Serviceable from Front Panel
- Indicator LEDs for on-line, trouble and telephone ring indicator
- ESD protection



### Description

The D6541 Line Card brings DTMF signal processing to the Radionics D6500 Central Station Receiver. The D6541 uses one of the eight standard Line Card slots in the D6500. It receives programming from the D6500 via the D5200 Programmer. Just like its cousin, the D6540, the D6541 Line Card can be hot plugged for quick and easy central station service. It also connects to the standard D6545 Terminator Card, minimizing the need for additional investment in spare parts for the D6500 Receiver.

The D6541's programming is contained in an EPROM which comes in a removable holder. This insures that it can be easily upgraded if new formats or features are made available.

### Operation

The D6541 Line Card begins signal processing by detecting incoming ringing voltage. It picks up the line and sends acknowledgment tone(s) to the communicator which in turn transmits the information to the line card. The transmission is verified for accuracy through a variety of error detection methods (appropriate to the type of format). The decoded data is sent to the D6500's MPU card which processes the information and send it out for display and printing. If the data is not received correctly, the acknowledgment tone is withheld, an error message is displayed, and the communicator repeats the message.



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