

## Model 5542 7-Channel 3-State CDIC/ISDN/OFFLINE RJ45 Cat5e/ISDN Switch

- **Ideal for secure conference room communication applications.**

### INTRODUCTION

The Model 5542 7-Channel 3-State CDIC/ISDN/OFFLINE RJ45 Cat5e/ISDN Switch allows the user the capability of connecting two separate devices—ports IN and OUT—via an Online or Offline connection, for each channel. In the CDIC position, Channel 1 is Online. In the ISDN position, Channels 2-7 are Online. Users can link this model to the Model 5543 CDIC/ISDN/OFFLINE Display Indicator unit for a robust conference communications switching system. The Model 5542 is enclosed in a 1U, full rack size, black anodized chassis designed to provide EMI/RFI shielding and fit in a standard 19" rack.

### FEATURES

- The switch ports are transparent to all data.
- **Certified for Cat5e compliance on Channel 1 only.**
- The following pins are switched:
  - Channel 1: All (8) pins of the RJ45 interface.
  - Channels 2-7: Pins 3-6 of the RJ45 interface.
- Unit switched via front panel keylock actuator.
- Unit connects/isolates as follows:
  - CDIC position: Channel 1 connects ports IN and OUT, Channels 2-7 isolated.
  - OFFLINE position: All channels isolated.
  - ISDN position: Channels 2-7 connect ports IN and OUT, Channel 1 isolated.
- Status port for linking switch system unit to the Model 5543 CDIC/ISDN/OFFLINE Display Indicator unit.
- Front panel LED's on Model 5542 display the position status of unit when linked to a powered Model 5543 unit.
- The position of the Model 5542 will follow the keylock actuator position at all times.
- Key can only be removed from actuator in the OFFLINE position.
- No power is required to operate unit.



### Specifications:

**PORT CONNECTORS:** (7) RJ45 female connectors labeled IN and (7) RJ45 female connectors labeled OUT.

**FRONT PANEL CONTROLS:** (1) Three-position keylock actuator labeled CDIC, OFFLINE, and ISDN

**DISPLAY:** (3) Front panel LED's display present position and power status.

**STATUS PORT:** (1) DB9 (F) Custom Contact Closure Monitor and Power Input port allows linking the Model 5542 switch to a remote color graphic display unit, Model 5543 which indicates switch position: CDIC, ISDN, and OFFLINE.

**POWER:** No power required to operate the switch. Power for LED's provided from connection to the Model 5543 Display Unit.

**DIMENSIONS:** 19" W x 1.75" H x 8.0" D.  
(48.3 x 4.4 x 20.3 cm)

**WEIGHT:** 4.5 lbs.(2.1 kg)



Model 5542 Switch shown with the Model 5543 Display.

