



PRODUCT INFORMATION

The 3-CHAS7 chassis provides the mounting, internal power, and data distribution for up to seven plug-in local rail modules. Mounting studs for two power supplies and one interface module are provided on each chassis. Chassis design facilitates separation of power limited and non-power limited circuits by locating power limited circuitry toward the front of the chassis and non-power limited wiring at the rear of the chassis.

The 3-CHAS7 chassis mounts to the back wall of 3-CAB7, 3-CAB14, 3-CAB21, RCC-7, RCC-14, and RCC-21 cabinets. Multiple 3-CHAS7 chassis are interconnected within a cabinet using the supplied cables. The chassis are suitable for direct mounting in a standard EIA 19" rack.



INSTALLATION

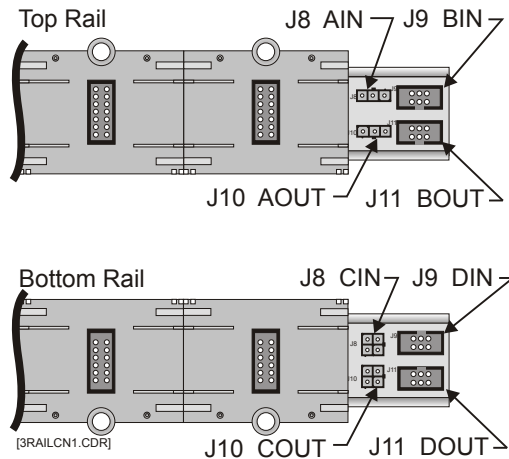
Mount the chassis assembly on the six #6-32 studs at the rear of the cabinet. Secure the chassis to the cabinet with the washers and nuts provided. An 11/32" nut driver simplifies chassis installation.

If a primary or booster power supply is used with this chassis, mount the heat sink on the four threaded stand-offs under the rails, then secure the PC board to the four threaded stand-offs.

Connect the DC power cable (P/N 250187) to connector J2 on the power supply. For the 3-PPS, connect the 16 pin data ribbon cable (P/N 250188) to connector P3 on the power supply. For the 3-BPS, connect a 14 pin data ribbon cable (P/N 250189) to connector P3 on the power supply. Route both cables up through the rails for later connection to the power supply/booster monitor module.

Chassis Power and Data Cables

When more than one chassis is installed within a single cabinet, the chassis power and data circuits must be interconnected. The chassis has four data connectors and four power connectors. The 3-CHAS7 has two power (J8 AIN and J11 AOUT) and two data (J9 BIN and J11 BOUT) connectors on the top rail. Two power (J8 CIN and J10 COUT) and two data (J9 DIN and J11 DOUT) connectors are on the bottom rail, as shown below.



Installation instructions are continued on following two pages.



SPECIFICATIONS

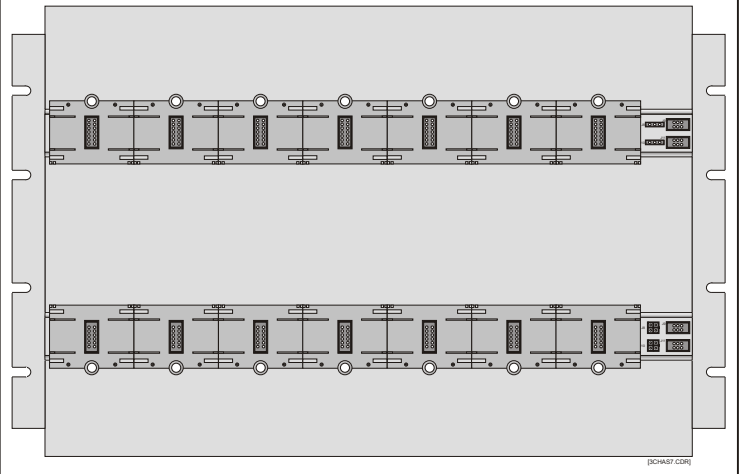
19" Rack Installation Dimensions (HWD)

12.0" x 19.0" x 5.25"
(30.48 cm x 48.26 cm x 13.34 cm)

Capacity

7 Local Rail Modules Spaces
2 Power Supplies
1 Interface Module

3-CHAS7



INSTALLATION SHEET:

3-CHAS7 Seven Local Rail Module Chassis

INSTALLATION SHEET P/N: 270484

FILE NAME: 270484.CDR

REVISION LEVEL: 2.0

APPROVED BY: K. Patterson

DATE: 06/14/99

REVISED BY: D. Miner

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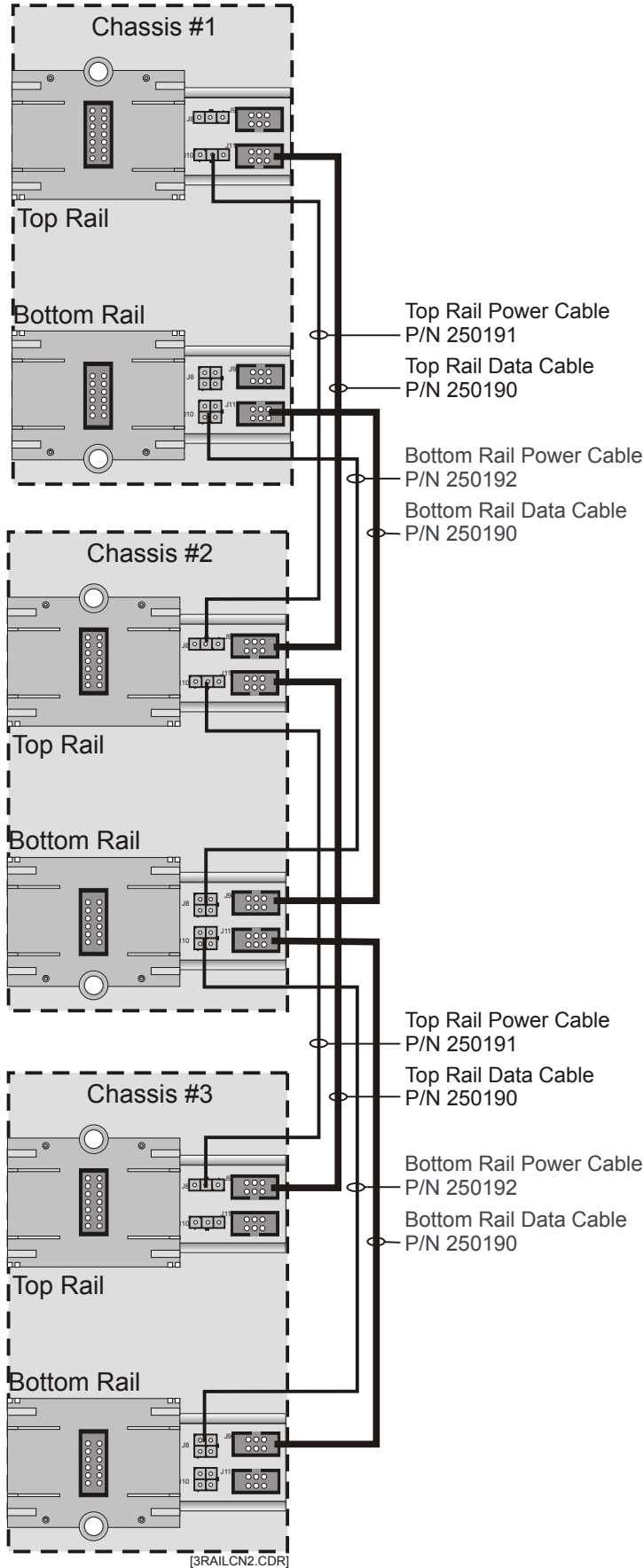
CHESHIRE, CT: 203-699-3000 FAX 203-699-3075

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INSTALLATION (continued)



The figure on the left shows three 3-CHAS7 chassis in a common cabinet. Connect the power and data cables as follows:

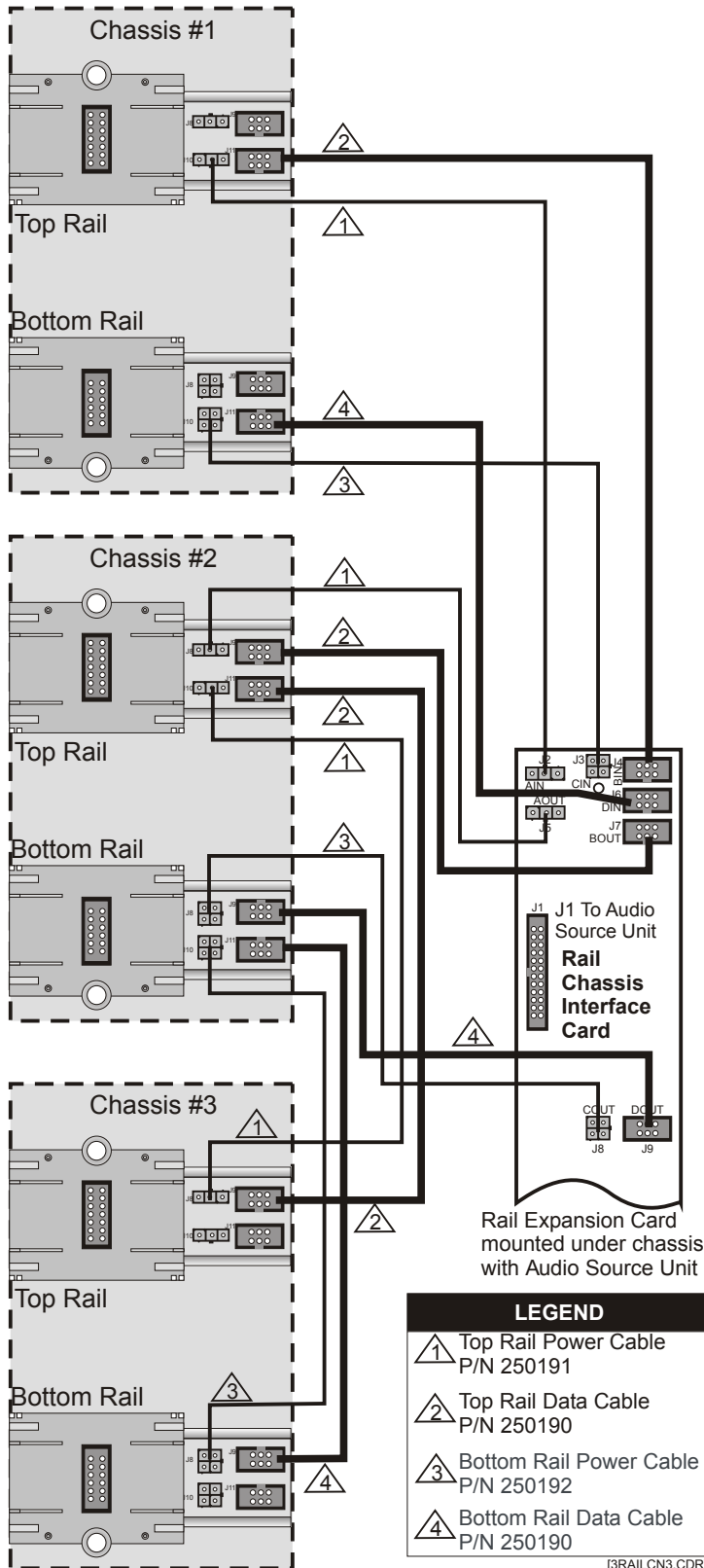
1. Connect a top rail power cable (3 pin connector) to connector J10 AOUT on the top rail of chassis #1. Route the cable down to chassis #2, and connect to J8 AIN on the chassis #2 top rail.
2. Connect a top rail data cable (6 pin ribbon cable connector) to connector J11 BOUT on the top rail of chassis #1. Route the cable down to chassis #2 and connect to J9 BIN on the chassis #2 top rail.
3. Connect a bottom rail power cable (4 pin connector) to connector J10 COUT on the bottom rail of chassis #1. Route the cable down to chassis #2 and connect to J8 CIN on the chassis #2 bottom rail.
4. Connect a bottom rail data cable (6 pin ribbon cable connector) to connector J11 DOUT on the bottom rail of chassis #1. Route the cable down to chassis #2 and connect to J9 DIN on the chassis #2 bottom rail.
5. Repeat this process between chassis #2 and chassis #3.

NOTE: The chassis containing the 3-CPU1 Central Processor can only have chassis power and data connections made to connectors J10 AOUT and J11 BOUT on the top rail and J10 COUT and J11 DOUT on the bottom rail. The chassis containing the 3-CPU can never have connections coming into connectors J8 AIN, J9 BIN, J8 CIN or J9 DIN.

[3RAILCN2.CDR]



INSTALLATION (continued)



The figure to the left shows an Audio Source Unit (ASU) and two 3-CHAS7 chassis in a common cabinet. The ASU unit is connected to the two rails using a Rail Chassis Interface Card. The Rail Chassis Interface Card is mounted below the rails in the 1/2 footprint IRC-3 module space of the ASU unit chassis.

In this example, the ASU can be either the top or middle chassis. Connect the power and data cables as follows:

1. Connect the top rail power cable (3 pin connector) to connector J10 AOUT on the top rail of chassis #1. Route the cable down to the Rail Chassis Interface Card and connect to J28 AIN.
2. Connect the top rail data cable (4 pin connector) to connector J11 COUT on the top on bottom rail of chassis #1. Route the cable down to the Rail Chassis Interface Card and connect to J4 BIN.
3. Connect the bottom rail power cable (4 pin connector) to connector J10 COUT on the bottom rail of chassis #1. Route the cable down to the Rail Chassis Interface Card and connect to J3 CIN.
4. Connect the bottom rail data cable (6 pin ribbon cable connector) to connector J11 DOUT on the bottom rail of chassis #1. Route the cable down to the Rail Chassis Interface Card and connect to J6 DIN.
5. Connect a top rail power data cable to connector J5 AOUT on upper left side of the Rail Chassis Interface Card. Route the cable up to connector J8 AIN on the top rail of chassis #2.
6. Connect a top rail data cable to connector J7 BOUT on the upper right side of the Rail Chassis Interface Card. Route the cable up to connector J9 BIN on the top rail of chassis #2.
7. Connect a bottom rail power cable to connector J8 COUT on the left center of the Rail Chassis Interface Card. Route the cable up to connector J8 CIN on the bottom rail of chassis #2.
8. Connect a bottom rail data cable to connector J9 DOUT on the right center of the Rail Chassis Interface Card. Route the cable up to connector J9 DIN on the bottom rail of chassis #2.