E1/G.703 Balun Chassis
Model 464RC/466RC

The Patton Model 464RC/466RC E1/G.703 balun chassis provides 16 ports of 75/120 Ω conversion in a compact 1U-high chassis.

Converts 16 Channels of E1
16 ports of 75/120 Ω conversion

Doubles as a Patch Panel
Our unique design enables the Models 464RC and 466RC to function as patch panels

Compact Chassis Design
1U high chassis installs in standard 19-inch racks

Reversible Front Panel Face
Easily change the chassis front panel configuration from RJ-48C to BNC connectors

Low Insertion Loss
Fully meets ITU-T (CTR-12) G.703 standards

No Power Required
Operation is transparent to data. No AC/DC power is required.

Transformer-Isolated Connections
Up to 500 volts AC/DC isolation

Patton's high density E1/G.703 rack-mounted balun chassis is ideal for carriers who are upgrading their main distribution frames from unbalanced coax to balanced RJ-48C connections. Patton's balun chassis enables customers to match the connectors, impedance, and signal characteristics of 16 dual-coaxial cable BNC connections (75 Ω) to 16 twisted-pair connections (120 Ω).
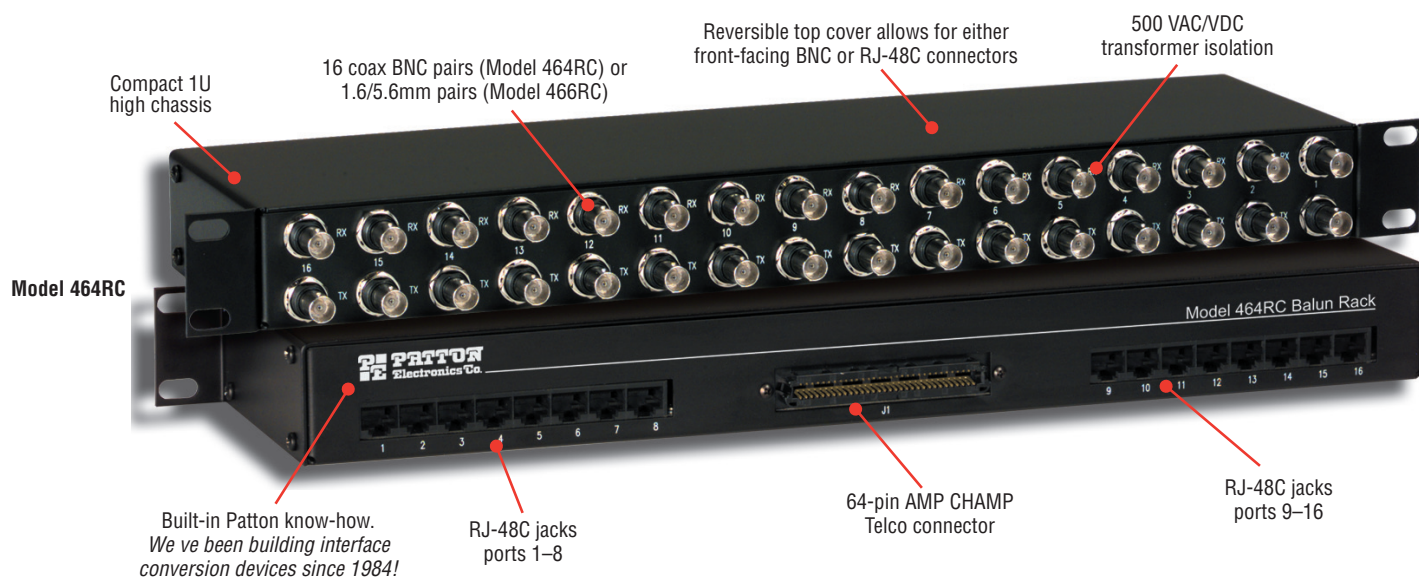
The Model 464RC comes with the standard BNC coax connector type. The model 466RC is designed for installations that require 1.6/5.6 coax connectors. Both models come equipped with 16 RJ-48C connectors and a 64-pin AMP CHAMP Telco connector for 120 Ω connections. The Models 464RC and 466RC occupy only 1U of a 19-inch equipment rack and are fully complaint with ITU-T G.703 specifications.

The Model 464RC and Model 466RC balun chassis are the most elegant, scaleable, and cost-effective choices for converting your E1/G.703 signals.

For more information, visit
www.patton.com.

Compact 1U high chassis

16 coax BNC pairs (Model 464RC) or 1.6/5.6mm pairs (Model 466RC)

Reversible top cover allows for either front-facing BNC or RJ-48C connectors

500 VAC/VDC transformer isolation

Model 464RC

Model 464RC Balun Rack

Built-in Patton know-how.
We ve been building interface conversion devices since 1984!

RJ-48C jacks ports 1–8

64-pin AMP CHAMP Telco connector

RJ-48C jacks ports 9–16

PATTON®
Electronics Co.

Balun Selection Guide

Model	Top speed			Coax Type		Coaxial cable connector (MC) ex: 460MC	RJ-48C Connector	Telco Connector	Rack Format
	E1	E2	E3	1.6/5.6 mm	BNC				
460	✔				✔	✔	✔		✔
462		✔			✔		✔		
463			✔		✔		✔		
464RC	✔				✔		✔	64-Pin ✔	✔
465	✔			✔		✔	✔		✔
466RC	✔			✔			✔	64-Pin ✔	✔

Typical Application

Conveniently converts sixteen 75 Ω E1 channels from your E3 mux to 120 Ω channels for connection to your CPE via RJ-48C or 64-pin Telco connectors.

E3

E3 Mux

E1   75Ω

464RC

E1
120Ω

1001 DSL Rack
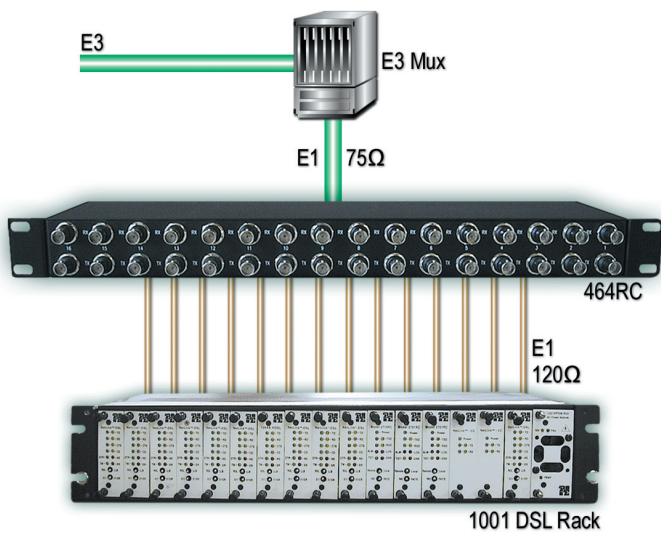
Specifications

Transmission Line
ITU-T G.703

75-ohm Connection
BNC

120-ohm Connection
RJ-48C or 64-pin Telco

Link-to-Data Isolation
500 VAC/VDC

Temperature Range
0–50°C (32–122°F)

Dimensions
48.3 W x 8.9 D x 4.8 H cm
(19.00 W x 3.5 D x 1.9 H inches)

Weight
1.73 kg (3.82 lbs)

Ordering Information

464RC

High density 16-port, 10-inch,
1U (4.44cm) balun chassis.
BNC coax connector for 75 Ω connections.
G.703 rack-mount.

466RC

High density 16-port, 10-inch,
1U (4.44cm) balun chassis.
1.6/5.6 coax connector for 75 Ω connections.
G.703 rack-mount.