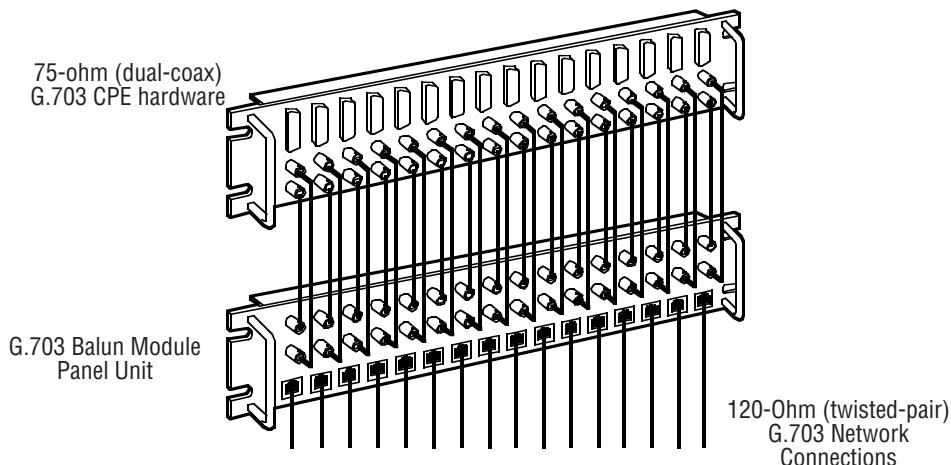


BLACK BOX[®]

NETWORK SERVICES

G.703 Balun Module, Module Panel Unit, and Chassis



Eliminate mismatches between coax and twisted-pair G.703 terminations.

Technically Speaking

Match multiple sets of dual 75-ohm coax connections to multiple 120-ohm twisted-pair connections with the G.703 Balun Module Series.

Who needs these Baluns? Carriers that need to provide 120-ohm G.703 service so customers retaining 75-ohm CPE hardware. These Baluns also allow carriers who have standardized on 75-ohm coax

to provide 120-ohm terminations to their customers (in keeping with European ONP requirements).

If you need a lot of connections right away, order the fully assembled chassis (part number MT243A). You'll get the panel *plus* 16 installed balun modules. Or you can order an empty chassis (RM243A) and add as many

Balun Modules as you need for your application.

Supporting E1 data rates of up to 2.048 Mbps, the panels bi-directionally match not only signal impedance, but also the pulse shapes of the signals according to the CCITT G.703 standard. And no AC power or batteries are required.

The Chassis is designed to occupy only 2U in a standard 19-inch (48.3-cm) rack.

Key Features

- ▶ Connects 75-ohm dual coax to 120-ohm twisted pair.
- ▶ Performs conversion for up to 16 ports.
- ▶ Grow-as-you-go: add balun modules as your application grows.
- ▶ Data rates up to 2.048 Mbps.
- ▶ Mounts in a standard 19-inch (48.3-cm) rack.

Specifications

Transmission Line — CCITT G.703 (unstructured)

Data Rate — 2.048 Mbps

Connection — 75-ohm: Dual coax BNC connectors, female (RG59 or 2002 coax), tip and ring individually assignable by rear panel jumpers; 120-ohm: Shielded RJ-45 jack, pinouts individually assignable by rear-panel jumpers

Power Supply — None required

Link-to-Data Isolation — 500 volts AC/DC

Temperature Range — 0 to 50° C

Size — Without handles, 8.9 x 48.3 x 4.8 cm

Weight — 1.4 kg

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
G.703 Balun Module Panel Unit.....	MT243A
G.703 Balun Module	MT243C-F
G.703 Balun Chassis	RM243A