



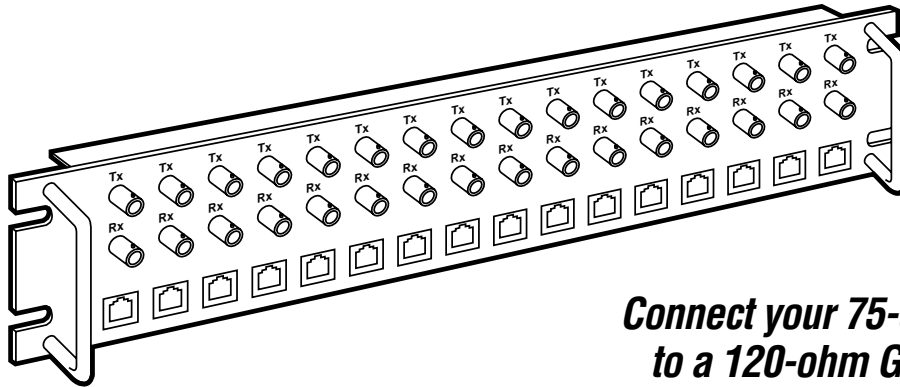
BLACK BOX[®]

NETWORK SERVICES

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BALUN MATE



**Connect your 75-ohm equipment
to a 120-ohm G.703 network.**

Key Features

- ▶ **Connects 75-ohm dual coax to 120-ohm twisted pair.**
- ▶ **Performs conversion for up to 16 ports.**
- ▶ **Data rates up to 2.048 Mbps.**
- ▶ **Chassis mount in standard 19-inch racks.**

Match multiple sets of dual 75-ohm coax connections to multiple 120-ohm twisted-pair connections with these G.703 solutions.

Who needs these baluns? Carriers that need to provide 120-ohm G.703 service for customers retaining 75-ohm CPE hardware. These baluns also enable 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 Balun Mate (MT243A)—you'll get the panel plus 16 installed balun modules. Or you can order an empty Balun Chassis (RM243A) and add as many Balun Modules (MT243C-F) 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 ITU G.703 standard. Also, no AC power or batteries are required.

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

Specifications

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

Speed: 2.048 Mbps

Transmission Line:
G.703 (unstructured)

Connectors:
75-ohm: Dual coax BNC F;
120-ohm: Shielded RJ-45 jack
(internal terminal block included)

Temperature Tolerance: 32 to 122°F
(0 to 50°C)

Power: From the interface

Size: RM243A: 3.5"H (2U) x 19"W x
1.9"D (8.9 x 48.3 x 4.8 cm)

Weight: MT243A: 2.5 lb. (1.1 kg);
RM243A: 1.1 lb. (0.5 kg);
MT243C-F: 0.1 lb. (<0.1 kg)

Ordering Information

ITEM	CODE
<i>Choose the complete solution...</i>	
Balun Mate	MT243A
<i>...or choose the chassis and buy as many modules as you need...</i>	
Balun Chassis	RM243A
Balun Module	MT243C-F