

G.703/E1 Miniature Baluns

Connect-IT 462 High Speed (8 Mbps) G.703 Balun



Now You Can Solve Mismatches Between Coax and Twisted Pair G.703 Terminations!

Overview

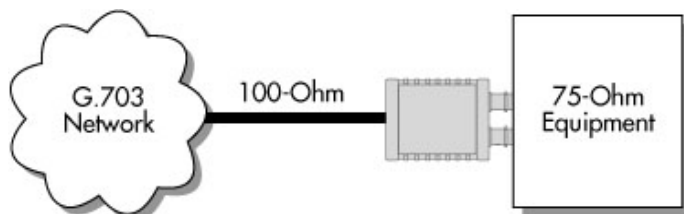
The Patton Model 462 is a miniature G.703 balun that allows 75-ohm coax hardware to communicate with 100-ohm twisted-pair equipment.



The Model 462 specifically addresses the ONP requirement that European PTTs offer 100-ohm twisted-pair terminations to their customers. Some PTTs and private carriers are standardized on 75-ohm coax, or have customers whose CPE has only 75-ohm coax connections. The Model 462 presents a ready solution to this termination mismatch. Supporting E1 data rates to 8 Mbps, the Model 462 receives 75-ohm signals and converts them to 100-ohm for transmission over a network or reception by a CPE (see diagram below). The signals output by the Model 462 are scaled to match the pulse shape requirements specified by the CCITT G.703 standard.

Features

- Data Rates to 8 Mbps
- 75-hm Dual-Coax to 100-Ohm Twisted-Pair
- Bi-Directional Signal Conversion
- No AC Power or Batteries Needed
- Male or Female Coax BNC Connectors Available
- Ultra-Miniature Enclosure
- **Made in the USA**ufacturing process delivers high-quality networking solutions with reliability you can trust.



The Model 462 can perform 100-ohm to 75-ohm signal conversion as well, giving the device a dual role.

Specifications

Transmission Line: CCITT G.703 (unstructured)

Data Rate: 8 Mbps

75-Ohm Connection: Dual coax BNC connectors, male or female (RG 59 or 2002 coax)

100-Ohm Connection: Shielded RJ-45 jack (internal terminal block included)

Power Supply: none required

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

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

Dimensions: 2.7" (6.86 cm) L x 1.7" (4.32 cm) W x 0.8" (2.03 cm)

Ordering

#	Model #	Description	Availability
1	462F	BALUN,G.703, 8Mbps,75/100 OHM	Special Order
2	462M	BALUN,G.703, 8Mbps,75/100 OHM	Special Order

Item Number	Item Description	Price
SVC-SmartCare-BH (/support/support.asp)	Premium Support for Business Hours	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-SmartCare-24/7 (/support/support.asp)	Premium Support, 24 x 7 Coverage	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-SmartAssist-BH (/support/support-professional.asp)	Business Hour Support Services	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-SmartAssist-AH (/support/support-professional.asp)	After Hours Support Services	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-ENHWAR1 (/support/support-warranty.asp)	1 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-ENHWAR2 (/support/support-warranty.asp)	2 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-ENHWAR3 (/support/support-warranty.asp)	3 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-ENHWAR4 (/support/support-warranty.asp)	4 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.

SVC-ENHWAR5 (/support/support-warranty.asp)	5 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR2 (/support/support-warranty.asp)	2 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR3 (/support/support-warranty.asp)	3 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR4 (/support/support-warranty.asp)	4 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR5 (/support/support-warranty.asp)	5 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-NETENG-HOUR (/support/support-professional.asp)	Network technician hour rate for pre-config services, after hours support, etc.	Contact us (/howtobuy/) for availability and pricing.

Related Products

Model 1001MP16 (/products/product_detail.asp?id=29) 16-Slot Universal Mounting Panel

Backgrounders

FiberPlex Capabilities Guide (/backgrounders/FiberPlex_Capabilities_Statement.pdf) October 6, 2017

Certifications

Declaration of Conformity - Data Communications Devices (/certifications/00109D1-001P.pdf) July 16, 2018

Declaration of Conformity - Data Communication Devices: Baluns, Data Taps, Surge Protectors, Pocket Testers, Isolators, Modem Eliminators, Adapters, Gender Changers (/certifications/00111D1-001E.pdf) February 12, 2015

Declaration of Conformity - Baluns (/certifications/00111D1-001D.pdf) December 26, 2012

Data Sheets

Patton Product Life Cycle Color Codes (/datasheet/Life-Cycle-Availability-Codes.pdf) April 24, 2015

Product & Solution Guides

Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf) November 10, 2010

User Manuals & Configuration Guides

BroadSoft Configuration Guide for SmartNode SmartWare (/manuals/BroadSoft_PartnerConfigGuide_Patton_SmartNode.pdf) December 2, 2013

Model 462 & 463 Manual (/manuals/462_3.pdf) January 18, 1999

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