



4000 Series Splitters VDSL2



Product Benefits

- Improved crosstalk for Video applications
- VDSL2 backward compatible
- 19 or 23 inch rack mountable
- CSA/UL /FCC68 / NEBS
- Complies with T1. 413, T1.424 and G .992.1, G.992.3, G.992.5, G.993.1 and G.993.2
- Electrically and Temperature hardened for remote locations
- "Make before Break" Life line POTS
- Connects 48, 144, or 192 high speed lines
- DC Blocking and Signature Circuit optional
- Self resetting lightning/surge suppression

Product Description

The 4000 Series POTS Splitter is used to connect high-speed data lines and voice circuits to local loops using standard Telco 50 pin connectors.

The Comtest 4000 Series POTS Splitter Shelves are available in 1U, 3U and 4U offering 48, 144, and 192 ports respectively.

The NA4000V is a 900:600 Ohm POTS splitter card, compliant with VDSL2 standards, and backwards compatible to ADSL2+ and ADSL. Each card has standard level 2 protection to protect against power crosses and lightning surges, greatly reducing the need for manual intervention, and an expensive truck roll.

With the emergence of enhanced services like video, the POTS Splitter is a vital part of the network. The innovative design of the 4000 series addresses specific issues that affect video such as crosstalk and ring-trip problems.

The 4000V Series Splitters used in conjunction with Comtest's NID-01V CPE splitter, virtually eliminates modem re-syncing errors, ensuring error free video reception. With crosstalk better than 70dB, distortion introduced from adjacent channels is virtually eliminated.

The 4000 series shelves provide make before break life-line POTS. Whenever a card is removed from the shelf, POTS service will be uninterrupted, ensuring critical services like 911 remains available to the end user.

Connectivity options are available to allow the 4000 shelves to meet your exact fit and form requirements. Ease of installation is ensured, regardless of your cable dressing requirements.

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4000 Series Specifications

Mechanical

Dimensions: 422mm (W) x 254mm (D) [16-5/8" x 10"]

Heights: 4048 (1RU) = 44mm [1-3/4"]
 4144 (3RU) = 132mm [5-1/4"]
 4192 (4RU) = 172mm [6-3/4"]

Capacity: 24 subscriber loops per card
 4048 = 2 cards (48 ports)
 4144 = 6 cards (144 ports)
 4192 = 8 cards (192 ports)

Mounting: Rack adapters for 19" (483mm) or 23" (584mm) shelves

Options

DC Blocking and/or Signature Circuit

Compliances

CE, ITU K.20, CSA/UL 60950, NEBS

North American cards: T1.413, T1.424, ITU-T G992.1, G992.3, G992.5, G.993.1, G.993.2, T1.TRQ.10-2003

ETSI TS 101 952 (Annex A and B)

Communications Interface

DSLAM, PSTN, and Telco Local Loop via three (3) RJ-21 (50 pin) per card

Environment

Operating Temperature:

-40 to +85 degrees Celsius

Humidity: 5 to 95% (non-condensing)

Available Cards

Item	Description
EU-4007	24-Channel ETSI ADSL2+ POTS Splitter
EU-4007V	24-Channel ETSI VDSL2 POTS Splitter
EU-4100	24-Channel ETSI ADSL2+ ISDN/POTS Splitter
EU-4100V	24-Channel ETSI VDSL2 ISDN/POTS Splitter
NA-4000	24-Channel ADSL2+ POTS Splitter
NA-4000V	24-Channel VDSL2 POTS Splitter

Ordering information

Comtest product Ordering code

4048..... SA-4048-7153
 4144..... SA-4144-7300
 4192..... SA-4192-7400

Comtest's extensive support and distribution network meets the needs of service providers, equipment manufacturers and installers on six continents every day. Our goal is to deliver innovative solutions to critical elements of the network while maintaining reliability, quality and on-time delivery at a competitive price.

All of Comtest's products have a limited three year warranty against manufacture defects.

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