



# NID xDSL Splitter

VDSL2 Compatible up to 30MHz



## Product Benefits

- Industry Compliant
- Compatible with HPNA home networking
- Fits most standard NIDs
- Insulation Displacement Connectors for easy installation
- Environmentally hardened
- Secondary lightning/surge suppression
- Compliant to Telcordia and CSA/UL Standards
- Adapter Plates for installation in industry standard NIDs



## Product Description

The NID is a low-pass filter designed to enable POTS service to coexist with ADSL2+ and VDSL2 data signals up to 30MHz.

As networks speed up and the microfilters typically used for xDSL connectivity hit their limitations, carriers need alternative, high-bandwidth CPE solutions that take them to their preferred demarcation point. Comtest's entire family of CPE splitters supports VDSL2 while remaining backwards-compatible with existing ADSL technologies.

Comtest splitters prevent interference between POTS and VDSL2 signals, ensuring high-quality delivery of voice and enhanced data service such as video. Their innovative design addresses specific issues that affect video quality such as ring-trip.

Features unique to the NID include the addition of secondary surge protection and compatibility with HPNA home networking.

Connection to the DSL modem and telephone equipment is straight forward. Insulation Displacement Connectors (IDCs) ensure quick and reliable connections and do not require any tools.

Comtest Networks also offers integrated Network Interface Devices complete with station protector, subscriber bridge and our NID-01V POTS splitter. These integrated products allow for the expansion of pair counts and are available in a variety of configurations, providing flexibility and allowing Telco's to simplify installation. Adapter plates are also available for installation in industry standard NIDs, making it easy to upgrade current CPE's to interoperate with the newer VDSL2 standards.

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## NID Specifications

### Mechanical

NID-01 (Ground Post): 40mm(H) x 64mm(W) x 30mm(D)  
 [1-9/16" x 2-1/2" x 1-3/16"]

NID-02 (Wall Mount): 58mm(H) x 64mm(W) x 20mm(D)  
 [2-5/16" x 2-1/2" x 3/4"]

### Capacity

1 Subscriber Loop per line unit

### Weight

100 grams (.2lb)

### Compliance

T1.413, T1.424, ITU-T G.992.1 , G.992.3, G.992.5, G.993.1 and G.993.2, CSA/UL, FCC part 68, CS03

### Communications Interface

The splitter connects to the xDSL, POTS service, and local Loop using Installation Displacement Connectors

### Environment

Operating Temperature: -40 to +65 degrees Celsius  
 Storage Temperature: -40 to +70 degrees Celsius  
 Humidity: 5 to 95% (non-condensing)

## Ordering information

Comtest product	Ordering code
ADSL2+	
NID-01 .....	SA-4300-0002
NID-02 .....	SA-4300-0003
VDSL	
NID-01V .....	SA-4504-0002
NID-02V .....	SA-4504-0005

*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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