

# OmniReach® NCX-1000s

Distribution Intercept Cross-Connect for CoolPed™ Cabinets



The NCX-1000s service delivery cross connect is designed for customers who use the Emerson CoolPed™ cabinet for hardend DSLAM applications. The NCX-1000s utilizes ADC's patented Distribution Intercept (DI) broadband service delivery cross-connect and mounts inside the CoolPed cabinet offering the same streamlined broadband service delivery as found in ADC's family of NCX-1000 cabinets. The NCX-1000s combined with the CoolPed allows you to strategically place the cabinet anywhere in the network to achieve the required loop lengths for optimum bandwidth. Simple straight splicing to the outside plant cable is all that is needed to begin turning up customers.

ADC's OmniReach® FTTX Solutions are the industry's first infrastructure solutions designed from the ground up to meet the unique requirements of FTTX networks. Designed for operational efficiency and scalability, OmniReach solutions simplify FTTX network installation, maintenance and management from the central office/headend to the outside plant.

## Features

- NCX-1000s and mounting brackets for CoolPed cabinet installation, OSP cable stubs 12' for easy splicing into DSLAMs and network
- Works with existing feeder/distribution cross box or can replace it
- Sized from 48 DSLAM ports and 100 OSP intercept pairs to 144 DSLAM ports and 600 OSP intercept pairs
- Able to groom all existing xDSL shelves into a single format and provide cross-connect capability in addition to pair-bonding
- Provides a consistent interface for technicians

SPEC SHEET



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## Distribution Intercept Cross-Connect for CoolPed™ Cabinets

### Distribution Intercept

The heart of the NCX-1000s is ADC's patented Distribution Intercept (DI) cross-connect using LSA-PLUS® Series 2 IDC connectivity.

- Brown Series 2 switching blocks route POTS into the DSLAM and present the combined DSLAM output of POTS/xDSL signals.
- White Series 2 disconnect blocks provide OSP input and output terminations.

Once the DI is spliced onto either feeder or distribution outside plant cable, broadband service activation occurs with a simple 2 pair jumper between brown and white blocks and insertion of a green activation plug. Existing voice service is immediately available upon splicing the DI onto outside plant cable due to normally closed contacts on Series 2 white blocks.

The high performance LSA-PLUS Series 2 IDC blocks are far superior to standard 66- and 110-type IDC blocks. Contacts angled at 45 degrees offer a larger, stronger cross section of wire and a gas tight seal. Silver-plated contacts resist corrosion much more effectively than standard tin-plated contacts. Combined with integral clamping ribs for extraordinary grip, LSA-PLUS blocks offer exceptional electrical performance and contribute to reduced failure frequency rates in the network.



Green activation plugs in cross-connect distribution field provide visual indication of active xDSL customers.



NCX-1000s enables centralized broadband service delivery from CoolPed cabinets.

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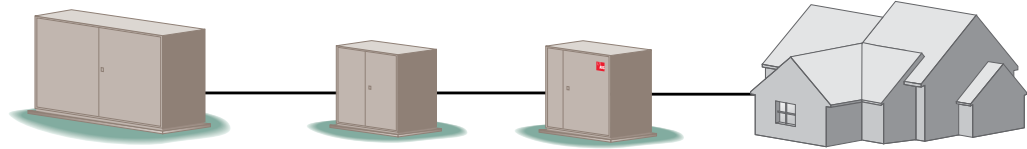


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## Distribution Intercept Cross-Connect for CoolPed™ Cabinets

### Benefits

- Can be deployed in feeder or distribution outside plant cable, the most flexible solution available
- Fastest to deploy, only straight splicing activities to OSP required
- Unique look-both-ways test capability without lifting wires reduces time for technicians to isolate network problems
- Distribution Intercept (DI) offers the most streamlined approach to xDSL delivery



DLC Remote Cabinet

Cross Box

CoolPed Cabinet

- NCX-1000s cross connect in CoolPed
- Central location for xDSL service delivery
- LSA-PLUS IDC for distribution intercept
- "Look both ways" testing

## Specifications

### GENERAL SPECIFICATIONS

#### Mounting:

Bracket included for CoolPed™ cabinet with mounting rails

#### DSLAM Ports In/Out:

48 to 144

#### OSP Intercept Pairs In/Out:

100 to 600 pairs

#### Cabling:

OSP gel filled direct bury cable with raw ended stubs 12 ft in length

#### Accessories:

Includes Insertion Tool and LSA-PLUS Series 2 green plugs for xDSL activation

### MECHANICAL SPECIFICATIONS

#### OSP Input/Output:

LSA-PLUS Series 2 disconnect block (white)

#### DSLAM Input/Output:

LSA-PLUS Series 2 switching block (brown)

#### Contact Resistance:

< 1 m Ω

#### Insulation Resistance:

> 5 x 104 MΩ

#### Contact Material:

Copper Alloy

#### Contact Plating:

Silver

#### Number of Test Cord Insertions:

> 750

#### IDC Rereterminations:

> 200

#### Cross Connect Wire Requirements:

24 AWG solid, tinned cross connect wire for all terminations

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## Ordering Information

Description	Catalog Number
<b>Distribution intercept cross connect for mounting in CoolPed cabinet.</b> Includes mounting bracket, Insertion Tool and LSA-PLUS Series 2 green activation plugs.	
48 DSLAM ports in/out, 100 OSP intercept pairs	NIB-048100N12S
96 DSLAM ports in/out, 200 OSP intercept pairs	NIB-096200N12S
144 DSLAM ports in/out, 600 OSP intercept pairs	NIB-144600N12S
<b>Accessories</b>	
Insertion Tool	6417 2 055-01
Look-both-ways test cord for LSA-PLUS Series 2	6647 2 900-01
LSA-PLUS Series 2 green plugs for xDSL activation <i>Quantity: 1 (order in multiples of 100)</i>	6089 3 055-02

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### Website: [www.adc.com](http://www.adc.com)

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