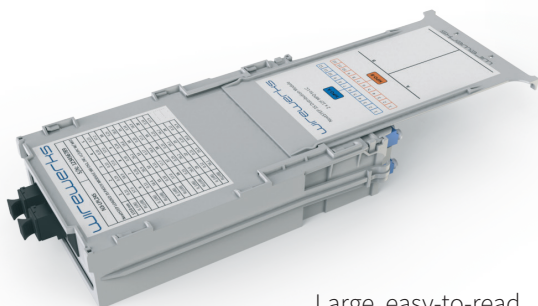# NEXTSTEP™

3S-DISTRIBUTION MODULE

PDS-0231

NextSTEP
3S-Distribution Module - 24/LC

NextSTEP
3S-Distribution Module
loaded in a NextSTEP 1U chassis

Large, easy-to-read,
slide-out port labeling plate
included with every module

DESCRIPTION

The Wirewerks NextSTEP™ 3S-Distribution Module is one of a series of slide-in NextSTEP **3-Series** fiber management modules, fully compatible with all NextSTEP patch panels and enclosures. NextSTEP 3-Series modules occupy three horizontal slots (shelf positions) in NextSTEP panels and enclosures and are designed to support the fiber network architectures/designs that are often preferred in MSO and Broadband networks, as well as some Data Center applications.

NextSTEP 3S-Distribution Modules fully support Base-8 fiber network infrastructures, supporting 1-3 MPO connectors at the rear of the cassette with up to 24 front-facing LC ports per module. NextSTEP 1U Patch Panels accept up to four 3S-Distribution Modules providing up to 96 LC ports (48 SC ports) per 1U. All 3S-Distribution Modules feature factory terminated and tested low IL fiber connections with a complete choice of fiber and connector types to suit any application and installation environment.

For simplified installations, maintenance and on-going operations, 3S-Distribution Modules feature fast, tool-less slide-in installation. All front panel LC/SC ports are flush-mounted in the same vertical plane, providing easy front panel access while maintaining static cable management with no connector movement during operations. Each 3S-Distribution Module includes a large port labeling plate, complete with printable, self-adhesive labels, that slides out independently without disturbing the module, connectors or fibers.

FEATURES and BENEFITS

- Easy front access to flush mounted distribution ports
- Maintains static cable management with no connector movement during operation
- Supports 24F LC or 12F SC per module for a total of 96F LC or 48F SC in 1U
- Fully supports Base-8 fiber network infrastructure
- Factory terminated and tested low IL connections to minimize impact on loss budgets
- Complete choice of fiber type, core/cladding size, connector type, ferrule material and end-face polish to suit any application/installation environment
- Precision engineered and manufactured from high-impact ABS thermoplastic for strength and durability
- Compatible with all NextSTEP Patch Panels and Enclosures
- Easy, tool-less slide-in/slide-out installation/removal from either the front or rear of the patch panel with secure click-in-place stops
- Large, easy-to-read, slide-out port labeling plate doesn't disturb the module or connectors
- Mix with other NextSTEP Modules in same chassis for maximum functionality/flexibility/density

APPLICATIONS

- Data Centers
- SANs
- Enterprise LANs
- MSO/Broadband

ORDERING INFORMATION

Part Number	Description
N3-DM-ABCCDEE	NextSTEP 3S-Distribution Module

NS = NextSTEP, DM = Distribution Module,

Example: *N3-DM3MLCCCS = NextSTEP 3S-DISTRIBUTION MODULE 24F MM OM3, 1 x 24F MPO MALE - LC/PC*

	Performance		MPO Connector		Interface		Interface Polish		Fiber Count
1	Single mode OS2	L	Low Loss MPO Male*	LC	LC	A	APC	08	8 Fiber
4	Multimode OM3 50/125 µm			SC	SC	B	UPC	12	12 Fiber
5	Multimode OM4 50/125 µm					C	PC	16	16 Fiber (Blank on Middle Front Port)
								CS	24 Fiber (1x 24F MPO)
								24	24 Fiber (2x 12F MPO)
								38	24 Fiber (3x 8F MPO)

* *Default configuration*

COMMON CONFIGURATIONS

Part Number	Description
N3-DM-1LLCA38	NextSTEP 3S-Distribution Module 24F SM OS2, 3 x 8F MPO Low-Loss - LC/APC
N3-DM-1LLCB38	NextSTEP 3S-Distribution Module 24F SM OS2, 3 x 8F MPO Low-Loss - LC/UPC
N3-DM-4LLCCCS	NextSTEP 3S-Distribution Module 24F MM OM4, 1 x 24F MPO Low-Loss - LC/PC
N3-DM-4LLCC24	NextSTEP 3S-Distribution Module 24F MM OM4, 2 x 12F MPO Low-Loss - LC/PC
N3-DM-1LSCA12	NextSTEP 3S-Distribution Module 12F SM OS2, MPO Low-Loss - SC/APC
N3-DM-1LSCB12	NextSTEP 3S-Distribution Module 12F SM OS2, MPO Low-Loss - SC/UPC

PACKAGING and SHIPPING

Description	Dimensions	Shipping Weight
Cardboard Mailer Box	12" x 7.75" x 1.75" (300mm x 193.75mm x 43.75mm)	0.85lbs (0.39 kg)

PHYSICAL SPECIFICATIONS

Attribute	Value	
Dimensions	Excluding adapters : 7.2" x 4.1" x 1.5" (183mm x 104mm x 38mm)	
Weight	N3-DM ABCCDEE	0.26 lbs (0.12 kg)
Materials	UL 94V-0 high-impact ABS Thermoplastic	
Fiber Adapters	OM2; Zirconia ceramic sleeve; Beige	
	OM3/OM4; Zirconia ceramic sleeve; Aqua	
	SM; UPC; Zirconia ceramic sleeve; Blue	
	SM; APC; Zirconia ceramic sleeve; Green	

MECHANICAL SPECIFICATIONS

Parameter	Value
Operating Temperature	-40° to 75°C (-40° to 167°F)
Storage Temperature	-40° to 85°C (-40° to 185°F)
Temperature Cycling	-40° to 75°C (-40° to 167°F): 40 cycles = 0.2dB change
High Temperature	70°C for 96 hours = <0.4dB change
Mating Durability	500 mating cycles (clean every 25 matings) = <0.2dB change
Storage Temperature	40°C (104° F) at 93% RH for 96 hours = <0.4dB change

STANDARDS COMPLIANCE

ANSI/TIA-942-A
Telecommunications Infrastructure Standard
for Data Centers

ANSI/TIA-568-C.3
Optical Fiber Cabling Components Standard

TIA-604 Series
Fiber Optic Connector Intermateability Standard

TIA-455 Series
Standard Test Procedure
for Fiber Optic Components

GR-326-CORE
Generic Requirements for Single Mode Optical
Connectors and Jumper Assemblies

IEC 60874-1
Connectors for Optical Fibers and Cables –
Generic Standard

IEC 61300
Fiber Optic Interconnecting Devices and
Passive Components – Basic Test and
Measurement Procedures

IEC 60874-1
Connectors for Optical Fibers and Cables –
Generic Standard

UL 94
Tests for Flammability of Plastic Material
for Parts in Devices and Appliances

RoHS
Directive on Restriction of Hazardous Substances