

# NOVA™

## High Density (HD) Fiber Panel

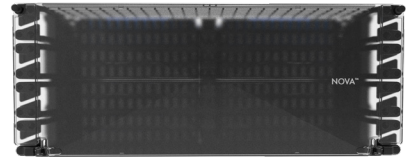


### Application

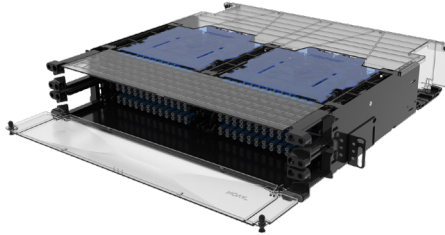
The NOVA High Density (HD) Fiber Panel provides interconnect or cross-connect capability for up to 384 LC high-density ports, delivering a scalable fiber management platform for enterprise networks, data centers, and central office deployments. The NOVA HD Panel accepts NOVA Cassettes, including versions with integrated optical components and NOVA Tie modules, to support a wide range of network architectures and deployment strategies.

### Description

NOVA HD Panel is a high-density panel with a low real estate footprint. The NOVA HD Panel is available in three sizes; 1RU with capacity for 96 LC ports (1.75"), 2RU with 192 LC ports (3.5"), and 4RU 384 with LC ports (7"). Building from the legacy Clearfield cassettes the NOVA™ HD Panel utilizes the NOVA Cassette providing the user with superior fiber access, strain relief options, and clear port labeling. Panels are designed for 19in mounting or 23in mounting option.



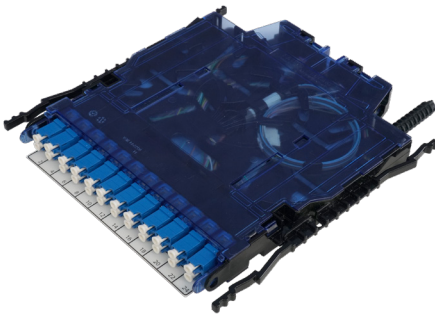
NOVA Panel Tie Panel Version - 1 RU



NOVA Panel Cassette Version - 2 RU



NOVA Panel Cassette Version - 4 RU



NOVA Cassettes

Installing the NOVA Cassette is done toolless and with ease using the NOVA Cassette integrated sliding rails into the NOVA HD Panel rails system and will lock into place. All three panel sizes, 1U, 2U, 4U, feature a clear top cover, removable front and rear door, removable strain relief, and clear designation labeling on both the panel and integrated in the NOVA™ Cassette.

# NOVA™

## High Density (HD) Fiber Panel



### Features and Benefits

#### Integrity

- Fiber cable certified to Telcordia GR-20 & GR-409
- Terminations designed, tested, and certified to Telcordia GR-326
- Supports all industry standard singlemode connectors

#### Protection

- Full fiber protection with easily removable front and rear cover; and cassette installation is simple with no tools or additional parts needed.
- Individual front radius rods provide organized and intuitively manage fiber jumpers to avoid pile-up
- Integrated slide rails for cassettes provide a secure installation with the option to slide back and forth for maintenance needs with ease

#### Access

- Front access to pre-terminated assemblies featuring the sliding NOVA Cassette with removable adapter plate for testing, cleaning, and maintenance
- Ships ready to install with miscellaneous accessories
- Front and rear access to the panel
- Large designation cards in both the NOVA HD Panel and NOVA Cassette provide writing area for clear labeling

#### Investment

- Using the NOVA Cassette, all fibers are deployed one cassette at a time, able to be customized in fiber count to the user's preference up to 24 fibers per cassette
- NOVA Cassette can incorporate integrated optical components with virtually any combination of split ratios and number of components can be achieved

*Reversible 19" and 23" brackets, screws, and removable rear cable tie off will ship along with panels.*

### Technical Specifications

NOVA HD Panels			
Port Density	96 ports LC 4 NOVA™ Cassettes	192 ports LC 8 NOVA™ Cassettes	384 ports LC 16 NOVA™ Cassettes
Panel Heights	1RU 1.75" H (44.45mm)	2RU 3.5" H (88.90mm)	4RU 7" H (177.8mm)
Dimensions	18.87" Width x 17.535" Depth		
Cassette Types Supported	NOVA Cassette, NOVA Tie Module		
Connector Types	SC/UPC, SC/APC, LC/UPC, LC/APC, MPO		
Connectivity	Supports industry standard SC, LC, and MPO/MPT singlemode and multimode connectors		
Splice Capacity	12 or 24 splice configurations in each NOVA Cassette		
Material	Powder-coated metal base and Polycarbonate top, rear, front protection		

### Pre-Configured Part Numbers

Part Number	Description
NOVA-HD1	NOVA High Density Panel, 1RU, 4 Cassette Capacity
NOVA-HD2	NOVA High Density Panel, 2RU, 8 Cassette Capacity
NOVA-HD4	NOVA High Density Panel, 4RU, 16 Cassette Capacity

### Configured Part Numbers

*Disclaimer/Note: Paper configurator shown is for reference only and should not be used to configure a saleable product configuration. All options shown on paper configurators may not be available or compatible with other options listed. Please contact your Clearfield representative for assistance in product configurations.*

**G N**         -         **B** -      - **Z Z**            **XXXM or XXXF**  
1 2 3 4 5 6 7

**1 Select Panel Style**

1 = 1RU (1.75")  
 2 = 2RU (3.5")  
 4 = 4RU (7")

**2 Select Panel Application**

A = Patch Only  
 B = Patch and Splice  
 C = MPO  
 D = Tie  
 E = HD Patch Only  
 F = HD Patch and Splice  
 G = HD MPO (2x12)  
 H = HD MPO (1x24)  
 J = HD Tie

**3 Select Port Count**

XX = Port counts in increments of 12

**4 Select Connector Style**

A = SC/UPC  
 C = SC/APC  
 F = LC/UPC  
 H = LC/APC

**5 Select Mode / Type**

1 = Singlemode, Non-ribbon  
 2 = Singlemode, Ribbon  
 4 = OM4  
 9 = No Fiber Multimode  
 0 = No Fiber Singlemode

**6 Select Cable Construction**

A = Indoor riser rated (IFC)  
 B = OSP riser rated  
 C = Indoor, plenum rated (IFC)  
 Z = Patch and splice (ribbon)

**7 Select Cable Exit \***

2 = Top left  
 4 = Bottom left  
 Z = None or patch and splice (ribbon)

**XXXM or XXXF**

XXXM = Length in meters  
 XXXF = Length in feet

\* Cable exit is defined by which direction the cable exits the panel when viewing it from the front.

### Example

Part Number: GN2B-048-F2Z-ZZZ (NOVA panel loaded with two singlemode LCUPC ribbon cassettes with front and rear protection)