

# SmartRoute Infinity Panel

## 1RU Panel



### Application

The SmartRoute Infinity 1RU Panel is designed to simplify and speed up fiber installations when landing 24 to 48 fibers in any interconnect or cross-connect environment. Clearfield's SmartRoute Infinity Panel combines cable wrap technology and MPO connectorization in a single panel to help relieve cable congestion, simplify ordering and eliminate incorrect cable lengths for IFC cable assemblies while saving labor and installations costs.

The SmartRoute Infinity Panel combines two separate, but critical fiber connectivity elements: The intermediate fiber panel and the IFC fiber cable assembly into one easy-to-deploy unit. If your network is comprised of both singlemode and multimode fiber, the Infinity Panel can be configured with singlemode fiber on one rod assembly and multimode fiber on the other rod assembly.



### Description

The SmartRoute Infinity Panel combines micro-distribution cable, rod technology and MPO connectorization in a single panel to help relieve cable congestion, simplify ordering and eliminate incorrect cable lengths for IFC cable assemblies. It also provides savings on labor and installation costs. The Infinity Panel contains either one internal rod assembly that can hold 200 feet of IFC cable or two internal rod assemblies that can hold up to 100 feet each of IFC cable. The panel can provide 24 SC or 48 LC connections in front and MPO, plug-and-play, SC/LC breakouts for pigtailed on the cabled far end.



### Features and Benefits

#### Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield FiberDeep Guarantee: 0.2dB insertion loss or less, exceeding industry standards
- Supports all industry standard singlemode and multimode connectors

#### Protection

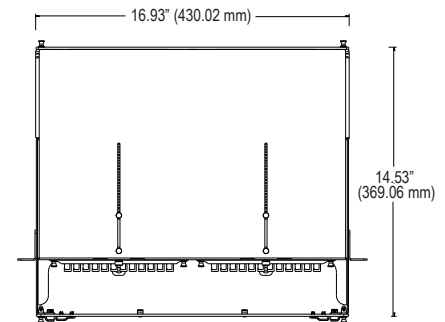
- Infinity Panel rod technology allows an installer to payout the exact amount of cable required from the panel, leaving the remaining slack safely stored within the panel
- Individual radius fingers organize and intuitively manage fiber jumpers
- Removable front protection provides physical fiber protection, reducing service interruptions

#### Access

- Straight forward, simple design means installation crews spend less time figuring out how to deploy
- Dual rod assemblies can be utilized independently
- Removable front adapter plates provide access to preterminated assemblies for testing, cleaning and maintenance

#### Investment

- Pre-connectorized options eliminate splice labor and speed network construction
- Rod assemblies reduce upfront deployment costs by simplifying site survey inspections, reducing labor hours and streamlining cable deployment



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### Technical Specifications

SmartRoute Infinity Panel 1RU Panel	
Dimensions	1.70"H x 16.93"W x 14.53"D
Mounting Options	19" mounting ear with 23" extension
Front Protection	Polycarbonate front cover with attached designation card
Connector Types	Supports industry standard SC and LC connectors
Port Density	24 ports = SC/UPC or SC/APC; 48 ports = LC/UPC or LC/APC
Cabled End	SC and LC breakouts, MPO
Maximum Internal Cable Length	1 Rod Assembly with 3mm 12-fiber micro cable = 200 feet total 2 Rod Assemblies with 3mm 12-fiber micro cable = 100 feet per rod assembly/200 feet

### Configured Part Numbers

S	R	Front Panel Left Side or Single Module					Rear Connector Left Side or Single Module				Front Panel Right Side				Rear Connector Right Side			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
<b>1 Module Assembly</b> 2 = Dual Module Slots 3 = Single Module Slot	<b>2 Left Front or Sing Assembly Module Connector Type</b> A = SC/UPC C = SC/APC F = LC/UPC Duplex H = LC/APC Duplex	<b>3 Left Mode &amp; Type</b> 1 = SM Stranded Non-ribbon 7 = MM OM3 Laser Optimized	<b>4 Left Jacket Construction</b> 5 = Indoor Riser Microcable (SM only) Y = Indoor Micro Distribution Cable (MM only)	<b>5 Left Port Count</b> 1 = 12 2 = 24 (SC-Single, LC-Dual) 4 = 48 (LC Single Module Only)	<b>6 Left Rear Connector Type</b> A = SC/UPC C = SC/APC E = LC/UPC simplex G = LC/APC simplex R = MPO female 24 port 6 = MPO female 12 port	<b>7 Left Rear Breakout</b> B = 1 Meter C = ½ Meter P = Pulling Eye Z = None (MPO Only)	<b>8 Left Rear Upjacketing</b> A = 900 um B = 2 mm Z = None (MPO Only)	<b>9 Left Side Length</b> 2 = 50 Feet 4 = 100 Feet	<b>10 Right Front Panel Connector Type</b> A = SC/UPC C = SC/APC F = LC/UPC Duplex H = LC/APC Duplex Z = None	<b>11 Right Mode &amp; Type</b> 1 = SM Stranded Non-ribbon 7 = MM OM3 Laser Optimized Z = None	<b>12 Right Jacket Construction</b> 5 = Indoor Microcable (SM Only) Y = Indoor Micro Distribution Cable (MM Only) Z = None	<b>13 Right Port Count</b> 1 = 12 2 = 24 (LC only) Z = None	<b>14 Right Rear Connector Type</b> A = SC/UPC C = SC/APC E = LC/UPC Simplex G = LC/APC Simplex R = MPO Female 24 Port 6 = MPO Female 12 Port	<b>15 Right Rear Breakout</b> B = 1 meter C = ½ meter P = Pulling Eye Z = None	<b>16 Right Rear Upjacketing</b> A = 900 um B = 2 mm Z = None	<b>17 Rear Spool Right Side Length</b> 2 = 50 feet 4 = 100 feet Z = None		