

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 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 pigtails on the cabled far end.



Features and Benefits

Integrity

- Terminations designed, tested and certified 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

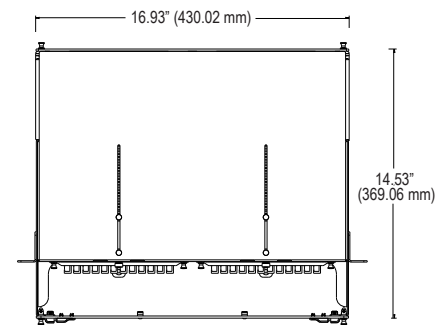
- Infinity Panel rod technology allows an installer to payout the exact amount of cable required from the panel, leaving the remaining slack safely stored within the panel
- Individual radius fingers organize and intuitively manage fiber jumpers
- Removable front protection provides physical fiber protection, 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 (43.18 mm x 430.02 mm x 369.06 mm)
Mounting Options	19" mounting ear with 23" extension
Front Protection	Polycarbonate front cover with attached designation card
Connector Types	SC and LC
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	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	
1	Module Assembly	2 = Dual Module Slots 3 = Single Module Slot					7	Left Rear Breakout B = 1 Meter C = ½ Meter P = Pulling Eye Z = None (MPO Only)				13	Right Port Count 1 = 12 2 = 24 (LC only) Z = None						
2	Left Front or Sing Assembly Module Connector Type	A = SC/UPC C = SC/APC F = LC/UPC Duplex H = LC/APC Duplex					8	Left Rear Upjacketing A = 900 um B = 2 mm Z = None (MPO Only)				14	Right Rear Connector Type A = SC/UPC C = SC/APC E = LC/UPC Simplex G = LC/APC Simplex R = MPO Female 24 Port 6 = MPO Female 12 Port						
3	Left Mode & Type	1 = SM Stranded Non-ribbon 7 = MM OM3 Laser Optimized					9	Left Side Length 2 = 50 Feet 4 = 100 Feet				15	Right Rear Breakout B = 1 meter C = ½ meter P = Pulling Eye Z = None						
4	Left Jacket Construction	5 = Indoor Riser Microcable (SM only) Y = Indoor Micro Distribution Cable (MM only)					10	Right Front Panel Connector Type A = SC/UPC C = SC/APC F = LC/UPC Duplex H = LC/APC Duplex Z = None				16	Right Rear Upjacketing A = 900 um B = 2 mm Z = None						
5	Left Port Count	1 = 12 2 = 24 (SC-Single, LC-Dual) 4 = 48 (LC Single Module Only)					11	Right Mode & Type 1 = SM Stranded Non-ribbon 7 = MM OM3 Laser Optimized Z = None				17	Rear Spool Right Side Length 2 = 50 feet 4 = 100 feet Z = None						
6	Left Rear Connector Type	A = SC/UPC C = SC/APC E = LC/UPC simplex G = LC/APC simplex R = MPO female 24 port 6 = MPO female 12 port					12	Right Jacket Construction 5 = Indoor Microcable (SM Only) Y = Indoor Micro Distribution Cable (MM Only) Z = None											