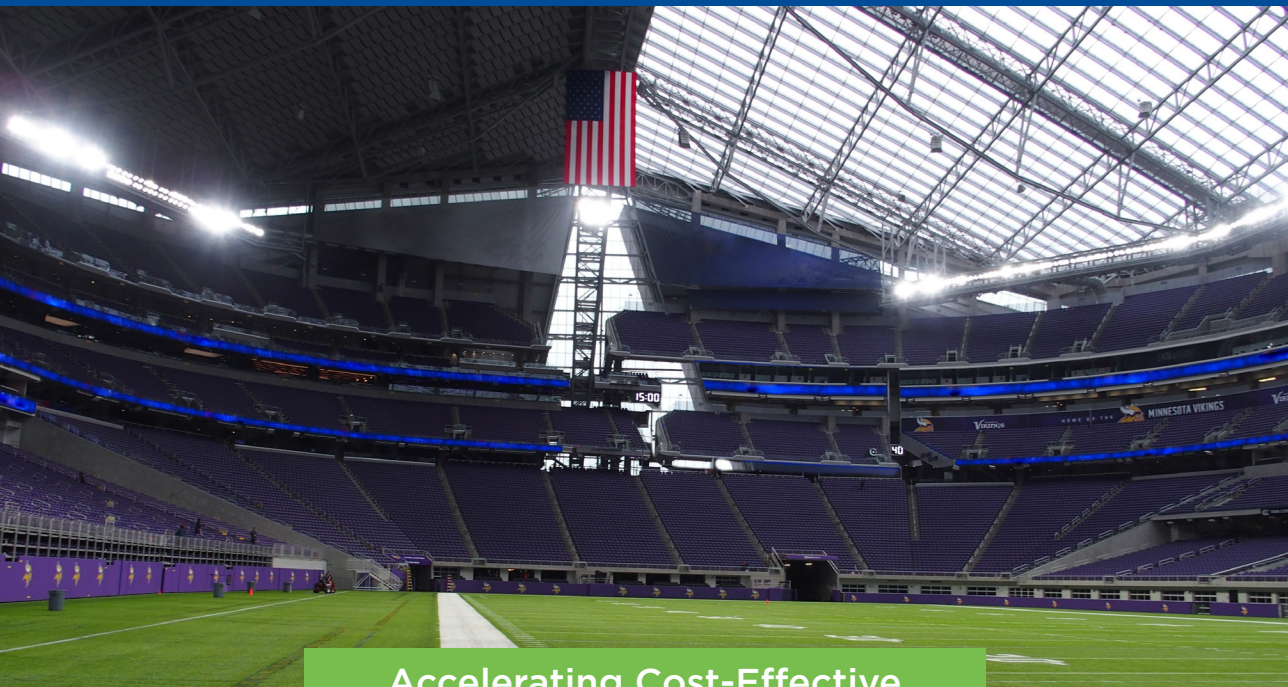


# DAS AND SMALL CELL APPLICATIONS



Accelerating Cost-Effective  
Fiber Fed Deployments



**CLEARFIELD**  
SeeClearfield.com

Due to the increasing demands of mobile streaming, wireless carriers are looking for creative solutions to improve and reinforce their mobile network capacity. However, transitional cell site deployment scenarios and network architectures pose challenges for network infrastructure providers to standardize on a single solution.

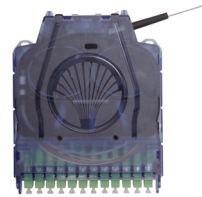
Through a scalable, single product architecture enabled by a modular product platform, Clearfield® provides a flexible and cost-effective solution for rapid fiber deployment. Standardization of passive fiber equipment using a variety of equipment housings across multiple wireless carriers improves efficiency and service turn-up time as learning curves are reduced.



FieldSmart® FxMP Panel



FieldSmart SCD Wall Box



Clearview® Blue - MPO



FieldShield® Pushable  
MPO Fiber



YOURx™-Aerial Terminal



StreetSmart Fiber  
Hand-Off Box



YOURx Multi-Purpose  
Terminal

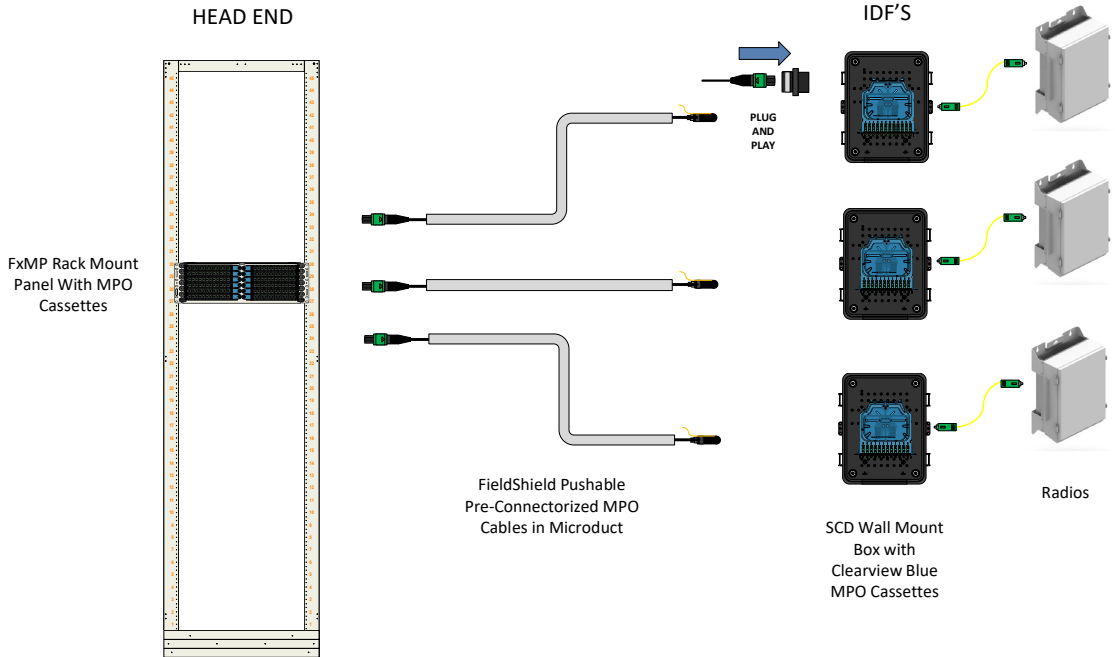


FieldShield Drop Cables



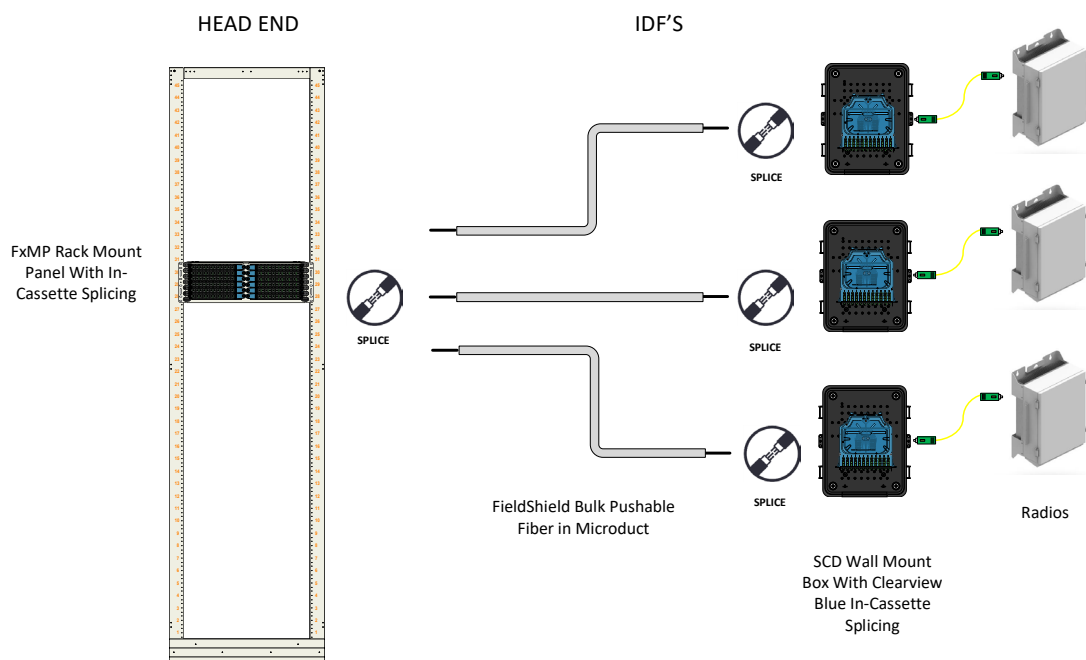
FieldShield Microduct

# DAS - MPO Plug-and-Play for Shorter Runs



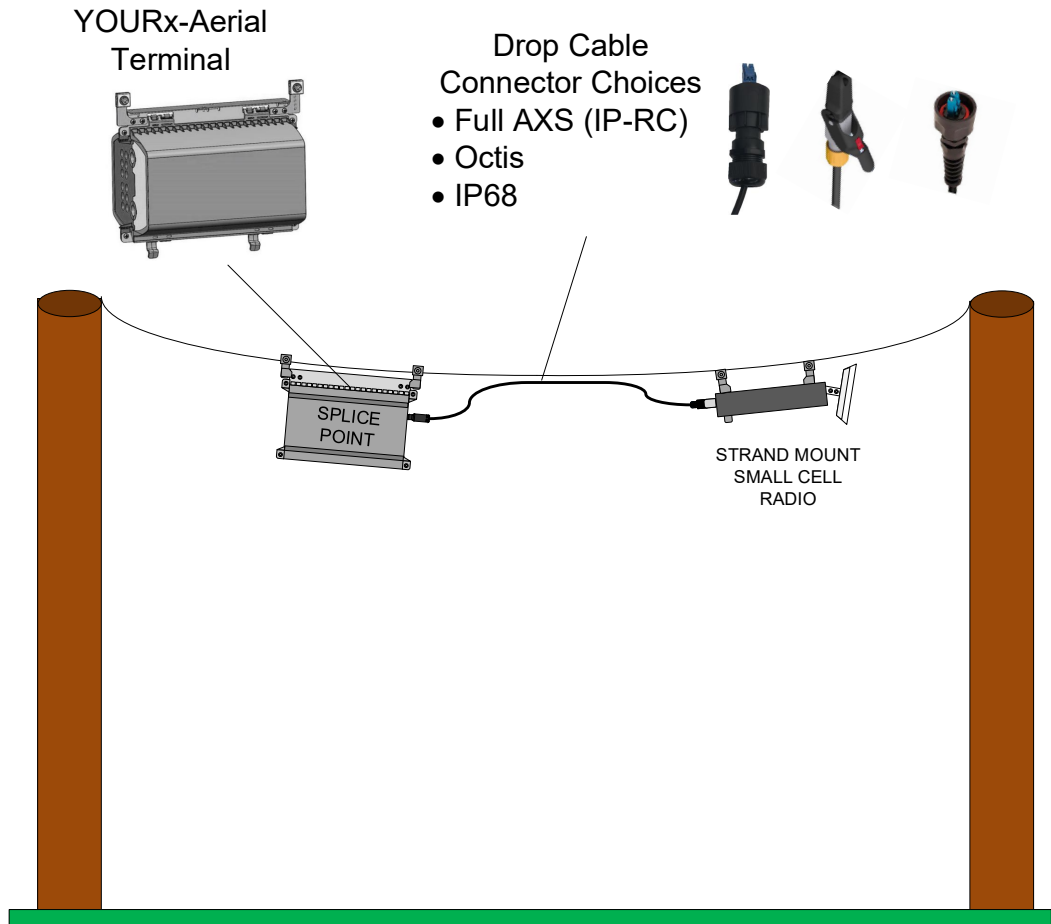
Product	Description
FxMP Rack Mount Panel with MPO Cassettes	<ul style="list-style-type: none"> <li>1RU configurations range in port density from 12 to 48 ports utilizing a modular cassette design</li> <li>2RU panels scale up to 144 ports</li> <li>Eliminates labor intensive splicing</li> </ul>
FieldShield Pushable MPO	<ul style="list-style-type: none"> <li>Plenum and riser rated microduct options available</li> <li>Pushable MPO assemblies eliminates splicing, resulting in fast turn-up time and reduced costs</li> </ul>
SCD Wall Box with Clearview Blue MPO Cassettes	<ul style="list-style-type: none"> <li>SCD and Flex Box options available based on per project needs</li> <li>Same modular cassette as utilized in the FxMP Panels</li> </ul>
Radios	<ul style="list-style-type: none"> <li>Standard fiber jumpers available as well as 4.8mm jumpers with hardened connectors based on individual radio configuration</li> <li>Clearfield offers solutions for any connector type including FullAXS, IP68, etc.</li> </ul>

# DAS - Patch and Splice for Longer Runs



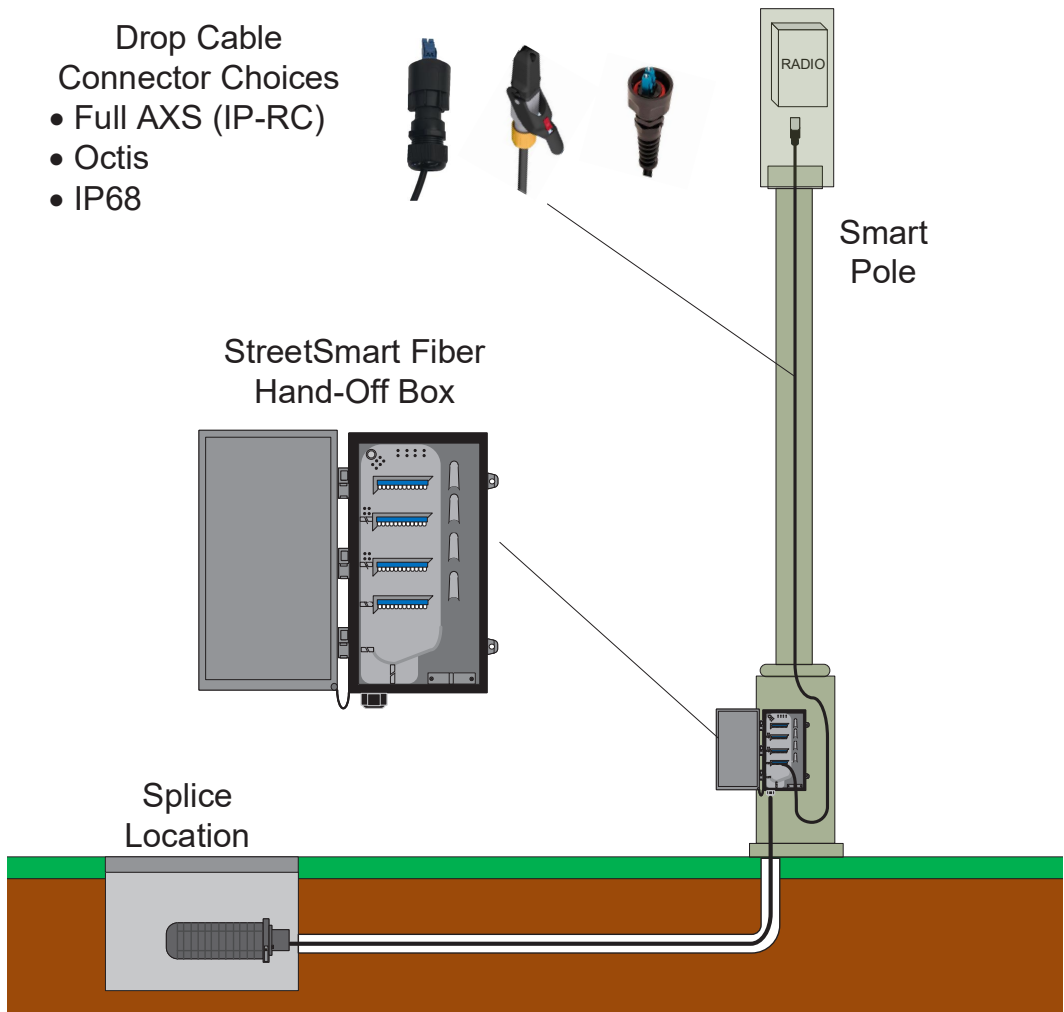
Product	Description
FxMP Rack Mount Panel with In-Cassette Splicing	<ul style="list-style-type: none"> <li>1RU configurations range in port density from 12 to 48 ports utilizing a modular cassette design</li> <li>2RU panels scale to 144 ports</li> <li>Eliminates need for unnecessary cable and additional splice point</li> </ul>
FieldShield Bulk Pushable Fiber in Microduct	<ul style="list-style-type: none"> <li>Plenum and riser rated microduct options available</li> <li>FieldShield allows for pushable/pullable method that can be deployed by a single technician, minimizing turn up time and costs</li> </ul>
SCD Wall Box with Clearview Blue In-Cassette Splicing	<ul style="list-style-type: none"> <li>SCD and Flex Box options available based on per project needs</li> <li>Same modular cassette as utilized in the FxMP Panels</li> </ul>
Radios	<ul style="list-style-type: none"> <li>Standard fiber jumpers available as well as 4.8mm jumpers with hardened connectors based on individual radio configuration</li> <li>Clearfield offers solutions for any connector type including FullAXS, IP68, etc.</li> </ul>

# Small Cell - Strand Mount Deployment



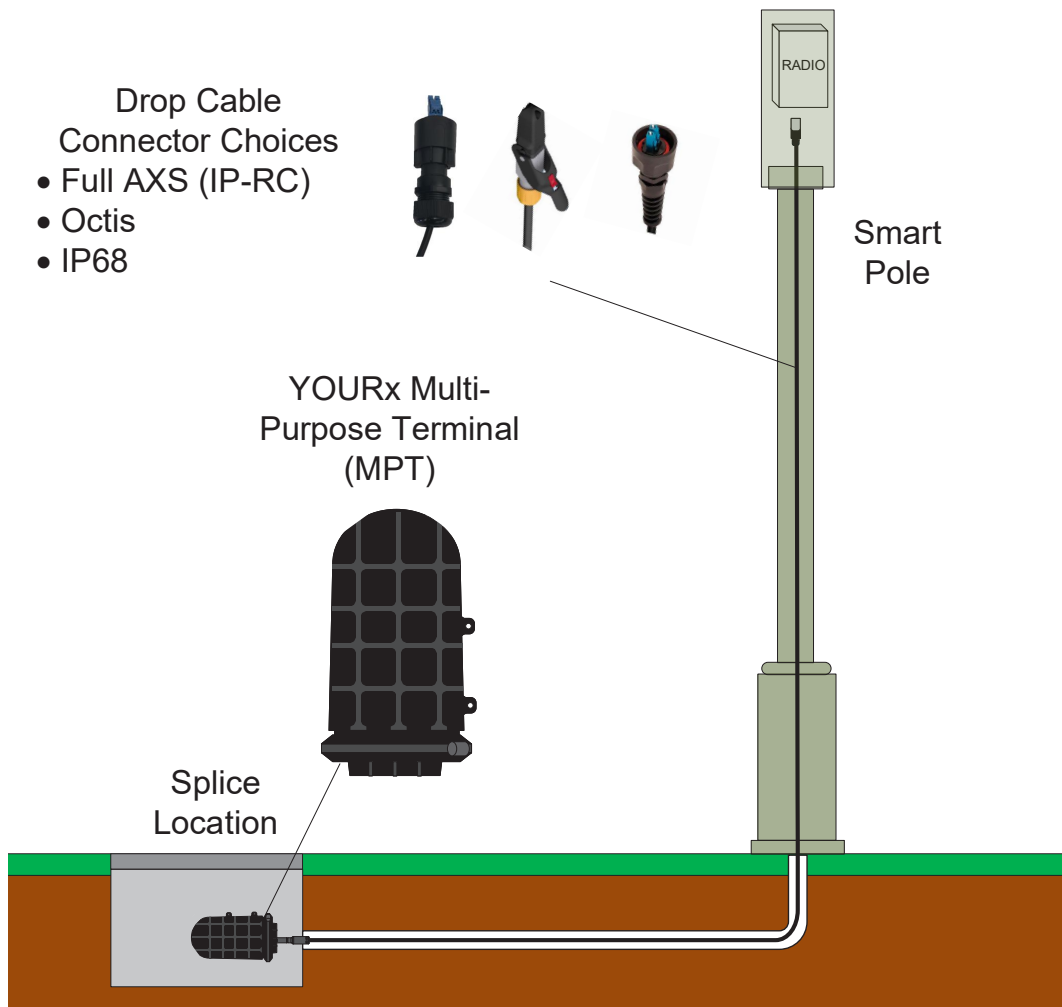
Product	Description
YOURx-Aerial Terminal	<ul style="list-style-type: none"><li>• Provides for 12-216 splices (ribbon) and up to 24 drops</li><li>• Ideal for a <b>dark fiber</b> network</li><li>• Allows for mid-spanning and direct drops to radios in an aerial application</li></ul>
Drop Cable Connector Choices	<ul style="list-style-type: none"><li>• OSP rated jumpers with hardened connectors are available based on individual radio configuration</li><li>• Clearfield offers solutions for any connector type including FullAXS, IP68, etc.</li></ul>

# Small Cell - Smart Pole Demarc



Product	Description
StreetSmart Fiber Hand-Off Box	<ul style="list-style-type: none"><li>• Provides a true demarc point from backbone network provider to the mobile network operator</li><li>• Available in MPO and stubbed solution for 48 ports total</li><li>• Mounting options for wall, pole, strand, pedestal and for mounting inside a monopole/smart pole</li></ul>
Smart Pole	<ul style="list-style-type: none"><li>• Optimized for flat drop entry with hardened connectors based on individual radio configuration</li><li>• Clearfield offers solutions for any connector type including FullAXS, IP68, etc.</li></ul>

# Small Cell - Smart Pole + Multi-Purpose Terminal



Product	Description
YOURx Multi-Purpose Terminal	<ul style="list-style-type: none"><li>• Multi-Purpose Terminal is extremely flexible and can be configured to your individual needs on a per project basis</li><li>• Hardened, sealed terminal covers the following applications:<ul style="list-style-type: none"><li>• Splicing and mid-span</li><li>• Splitters and WDMs</li><li>• Direct drops to the radio</li></ul></li></ul>
Smart Pole	<ul style="list-style-type: none"><li>• OSP drops with hardened connectors based on individual radio configuration</li><li>• Clearfield offers solutions for any connector type including FullAXS, IP68, etc.</li></ul>



Learn more at [www.SeeClearfield.com](http://www.SeeClearfield.com) or call 800.422.2537

Clearfield, Inc. (NASDAQ: CLFD) designs, manufactures and distributes fiber optic management, protection and delivery products for communications networks. Our "fiber to anywhere" platform serves the unique requirements of leading incumbent local exchange carriers (traditional carriers), competitive local exchange carriers (alternative carriers), and MSO/cable TV companies, while also catering to the broadband needs of the utility/municipality, enterprise, data center and military markets. Headquartered in Minneapolis, MN, Clearfield deploys more than a million fiber ports each year.

February 2020