



# Mini 288 Fiber Distribution Hub Cabinet

Proven fiber distribution solution. 5G ready

COMMSCOPE®

# The world is moving to 5G

5G, and the urban fiber densification that will accompany 5G networks, has begun. In North America, mobile providers have already initiated 5G rollouts. Most expect partial deployments in 2020, and about 30% of mobile connections will be on a 5G network by 2023. 5G networks are live right now in some European countries, and most others will see rollouts in 2020. The outlook for Asia, the Middle East, and Latin America is similar, with rollouts in Africa and Pacifica coming somewhat later.

## Denser networks, more connections

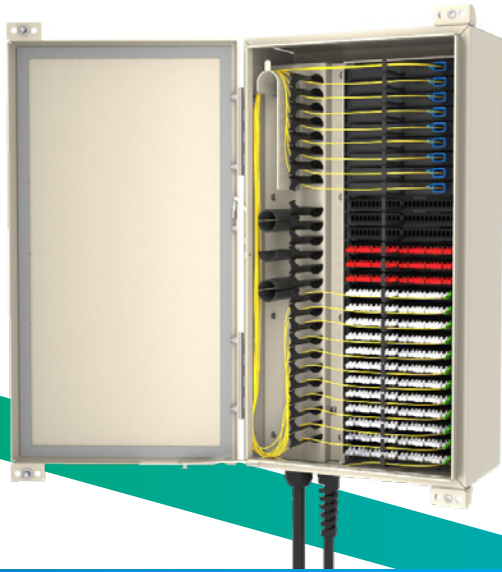
Of course, different 5G providers will use different parts of the frequency spectra and different equipment to provide 5G service. But all providers will need much denser networks and many more connection nodes to make 5G happen.

- **Ever-increasing need for densification** Providers will need equipment that allows a large number of connections, occupies a small footprint, and is easy to conceal.
- **Long approval times** Permitting and zoning requirements of local and national governments, agencies, and other entities are becoming more complex and time consuming. And with congested streets and utility poles adding complications to deployments, smaller-footprint equipment can speed a project's execution.
- **Installation complexities** Equipment miniaturization has benefits, but can bring challenges. Small form factor equipment that's easy to install and permits quick access for technicians to add connections or services will speed deployment.



# Simplifying your 5G deployments

We started with a design goal: make a cabinet that offers the highest number of distribution ports inside the smallest possible form factor, so it could be easily hidden, if needed. (For example, in the base of a streetlight pole.)



The result is the Mini 288 Fiber Distribution Hub (FDH) Cabinet. The Mini 288 is the latest in CommScope's FDH portfolio, an assortment of equipment providing outstanding network performance that has stood the test of time.

- Smallest 288-port FDH cabinet on the market
- Quick deployment, with fast path to revenue
- Plug-and-play splitters for fast & easy installs & changes
- Technician-friendly: light & easy to handle, requires less equipment & smaller crews to install
- Proven reliability from the most advanced outside & inside plant technologies

## Small package, big solution

A fraction of the size and weight of most distribution cabinets, the Mini 288 has been optimized for the smallest footprint and the highest number of ports.

The cabinet's small size makes it easy to integrate into congested streets and utility poles, a key advantage that simplifies complex urban deployments. It can be installed indoors or outdoors, on a pad, on a pole, or on a wall.

The Mini 288's light weight makes it easy and safe to install-one person can carry and mount the cabinet.



## Fast connections, technician-friendly

In another technician-friendly feature, all access to the Mini 288 is through the front panel.

Inside, as many as nine plug-and-play splitters slot into connection ports for fast installs and changes. Connections are quickly made with LC jacks, which are arrayed in a staggered design to help installers access connectors without pinching or moving adjacent connections. This design feature is especially critical in maintaining uncompromised performance during moves and changes.

## The most advanced technology, built on a proven platform

The new Mini 288 FDH Cabinet incorporates CommScope's most advanced technology from the inside and outside plant, and includes design features that have delivered unparalleled performance and reliability over many decades.

# Mini 288-fast connections and network reliability are designed in

- All access through the front cabinet panel, for ease of use
- Holds as many as 9 integrated plug-and-play splitter modules
- Staggered LC CMODs for ease of handling & reduced risk of disturbing adjacent connections
- Bend radius protection & intuitive cable routing
- Dimensions: 13.25 in W x 7.5 in. D x 24.5 in H (336.5mm x 190.5mm x 622.3mm)
- Total height: 32.5 in (825.5mm) with riser
- Cable stub lengths: 100-foot (30.5m) standard
- Weather-resistant metallic cabinet protects from dust, moisture, & UV within operating temperatures of -67F to +185F (-55 to +85 C)
- Outdoor & indoor applications
- Mounting: pad, pole, & wall
- Grounding
- UL safety listed
- Tested to GR-3125



## Splitter module features:

- Plug-and-play splitters come with integrated connectors, to ensure cables are kept in sequential order & to help prevent disruption to adjacent fibers during installation
- Integrated staggered design makes for easier fiber identification & access
- 1.2mm fiber cable simplifies fiber management

## Splitter specifications:

Splitter type	Max loss*	Typical loss*	Uniformity*	Return loss	Directivity	PDL	Wavelength range
1x2	3.8 dB	3.1 dB	1.1 dB	≥ 55 dB	≥ 55 dB	0.2 dB	1260–1360 nm and 1480–1580 nm
1x4	7.2 dB	6.6 dB	0.8 dB	≥ 55 dB	≥ 60 dB	0.2 dB	1260–1635 nm
1x8	10.2 dB	9.7 dB	1.0 dB	≥ 55 dB	≥ 60 dB	0.2 dB	1260–1635 nm
1x16	13.5 dB	12.8 dB	1.0 dB	≥ 55 dB	≥ 60 dB	0.3 dB	1260–1635 nm
1x32	16.7 dB	16.0 dB	1.3 dB	≥ 55 dB	≥ 60 dB	0.3 dB	1260–1635 nm
2x16	14.1 dB	12.9 dB	2.0 dB	≥ 55 dB	≥ 60 dB	0.4 dB	1260–1635 nm

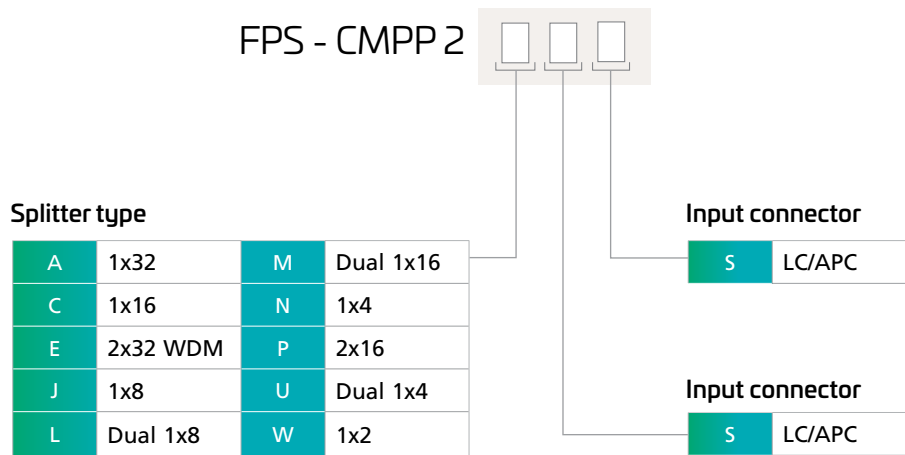
\* Includes PDL, WDL and TDL. Does not include connector loss.

# Ordering information

The Mini 288 FDH Cabinet is available in the following configurations:

PRODUCT NUMBER	DESCRIPTION
FD4M-288S00DDB4	Mini FDH Cabinet with 288 ports, LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-288S00DDBB4P	Mini FDH Cabinet with 288 ports, LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount
FD4M-144S00DDB4	Mini FDH Cabinet with 144 ports, LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pad mount with 8" riser
FD4M-144S00DDBB4P	Mini FDH Cabinet with 144 ports, LC/APC, no splitters, dry dielectric ribbon RBR, 100FT stub, 72F feeder, pole/ wall mount

## Plug-and-play splitter modules

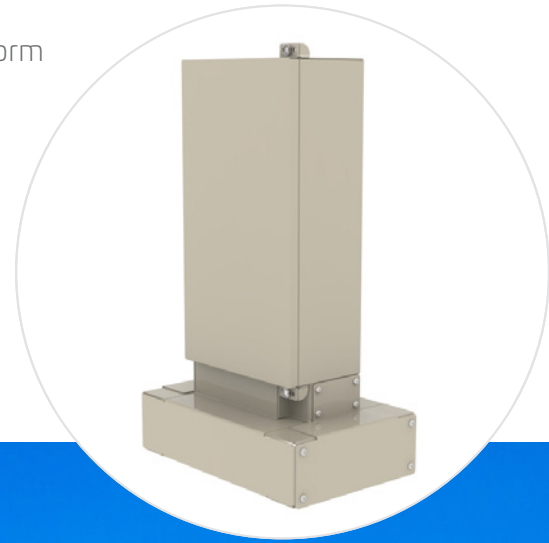


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# 5G ready. Smallest 288-port FDH cabinet on the market

The new Mini 288 Fiber Distribution Hub Cabinet offers providers a small form factor, technician-friendly cabinet with market-leading connection capacity. Designed with the most advanced outside and inside plant technology, the Mini 288 features plug-and-play splitters for fast and easy installs and changes. The latest in CommScope's FDH portfolio, the Mini 288 offers providers maximum deployment flexibility, proven reliability, and a fast path to revenue. The Mini 288-outstanding network performance that will stand the test of time.



CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create, and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow.

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