COMMSCOPE®

Ultra-density splice (UDS) panels

Fiber connectivity for cloud-based data centers

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For today's hyperscale and multi tenant data centers, the formula for success isn't complicated. Your infrastructure must be scalable, fiber dense and easy to manage. Say no more. CommScope's ultra-density splice (UDS) panels provide extreme fiber port density in a modular, compact design. It keeps you in control as you continue to transition to ever-higher fiber counts.

ULTRA-DENSITY SPLICE (UDS) PANELS

The ultra-density splice family of splicing panels features a modular, ultra-dense design that scales effortlessly while holding maintenance costs and space requirements to a minimum. Perfect for areas like meet-me rooms and interconnects.

ULTRA-DENSE, EASY-TO-MANAGE FIBER CONNECTIVITY

Compact design maximizes fiber port density within each rack, while a removable rear splicing drawer and superior cable routing ensure easy fiber access and control.

· Up to 288 fibers in a 2RU size or 864 fibers in a 6RU

· Connect up to 6,912 fibers in a single rack

· Intelligent cable routing supports multiple incoming cable configurations

2RU front panel

SEAMLESS, FLEXIBLE SCALING

The modular design supports your migration to increasingly higher fiber-count ribbon cables, giving you more headroom for future growth.

· Combine up to eight 6RU panels to accept 6,912 fibers in a single rack

· The ability to pay as your grow allows for incremental spending as needed

· Available with Method A or Method B Enhanced polarity

6RU front panel

FASTER, SIMPLIFIED DEPLOYMENT

With a completely removable splice drawer, open access to trays, and ample pigtail slack, the ultra-density splice panel can be installed by one person in about half the time of comparable solutions.

· 12-fiber ribbon pigtails allow fast mass fusion splicing

· Internal, translucent shutters provide dust protection while making troubleshooting easy

· Shutters automatically actuated by connector insertion enable one-handed operation

6RU rear panel

Ultra-density splice (UDS) panel options and ordering

Panel heights	Port types	Fiber polarity	Optical performance
· 2RU (144 duplex LC ports)	· LC/APC	· Method A	· Low loss
· 6RU (432 duplex LC ports)	· LC/UPC	· Method B Enhanced (E)	· Ultra-low loss

Physical specifications

Panel	Height	Width	Depth	Weight
2RU	3.4 in	17.5 in	24 in	16 lbs
6RU	10.5 in	17.5 in	24 in	42 lbs

Ultra-density splice (UDS) panels

Model ID	Ordering code	Panel size	Duplex ports	Port type	Polarity method	Optical loss performance
760239066	UDS-2U-BK-LA-A	2RU	144	LC/APC	Method A	Low loss
760239068	UDS-2U-BK-LA-B	2RU	144	LC/APC	Method B (E)	Low loss
760239070	UDS-6U-BK-LA-A	6RU	432	LC/APC	Method A	Low loss
760239072	UDS-6U-BK-LA-B	6RU	432	LC/APC	Method B (E)	Low loss
760239074	UDS-2U-BK-LC-A-ULL	2RU	144	UPC/LC	Method A	Ultra-low loss
760239076	UDS-2U-BK-LC-B-ULL	2RU	144	UPC/LC	Method B (E)	Ultra-low loss
760239078	UDS-6U-BK-LC-A-ULL	6RU	432	UPC/LC	Method A	Ultra-low loss
760239080	UDS-6U-BK-LC-B-ULL	6RU	432	UPC/LC	Method B (E)	Ultra-low loss

Ultra-density splice (UDS) options

Model ID	Ordering code	Description
760239082	UDS-2RU -DOOR-LOCK-KT	Front door lock kit for 2RU UDS panel, includes 1 lock and 1 key
760240771	UDS-6RU-DOOR-LOCK-KT	Front door lock kit for 6RU UDS panel, includes 3 locks and 1 key

Installation kit

Each ultra-density splice (UDS) panel is delivered with a complete installation kit that includes a ship along kit with all necessary accessories to install the given panel.
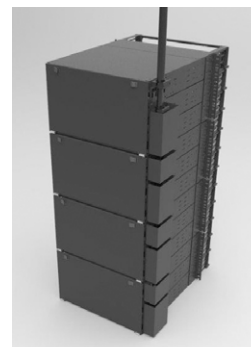
Scaling configurations

One 1,728-fiber cable

Two 1,728-fiber cables

One 3,456-fiber cable

Four 864-fiber cables

Why cloud-based data centers rely on CommScope

With a history of results and a focus on tomorrow, CommScope is the premier choice for hyperscale and multi tenant data centers that require smarter, faster and more nimble infrastructure solutions. Our 40 years of proven experience mean we can be trusted to anticipate any need, solve any challenge and pursue any opportunity. We don't just recognize and analyze the trends—we establish them. With every new improvement to your data center, we prepare you for the future.

For more information on CommScope's family of ultra-density splice panel solutions, please contact one of our CommScope experts today.

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. Discover more at commscope.com

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