

Rapid Fiber Connect™

Engineered for AI.
Built for Scale.



Exploding demand for AI is driving deployment of ultra-dense GPU rack-scale systems, pods and clusters. One AI cluster can require tens of thousands of fiber connections. The time, complexity and risk involved pose critical challenges for data center owners, designers and integrators.

Rapid Fiber Connect™ plug-and-play connectivity platform

The new Rapid Fiber Connect plug-and-play, rack-scale platform from CommScope dramatically simplifies the cabling, testing, deployment and scaling of ultra-dense GPU racks, pods and clusters.

Flexible panel designs and integrated, pre-configured and pre-labeled output pigtailed eliminate much of the manual work and risk involved in off-site cabling and validation. During on site installation, trunk cables with 96-fiber Mass Insert connectors accelerate system turn-up with fewer connections.

The results:

-  Faster cabling with fewer mistakes
-  Easier off-site validation testing
-  Less skilled labor requirements
-  Simplified connection on site
-  More fiber density
-  Seamless upgrades and scale-out

Uniquely designed for speed and simplicity

The Rapid Fiber Connect platform consists of GPU and switch panels with pre-installed output cabling and trunk cable terminated with Mass Insert connectors.



Rapid Fiber Connect GPU panel:

The front access-only design with 960-fiber capacity is ideal for high-density racks and is optimized for 72 GPU designs.



Rapid Fiber Connect Switch panel:

The front and/or rear access switch panel supports 1,728-fibers and is stackable to achieve ultra-high fiber density.

Both panel types offer spare ports, connections for Mass Insert connectors and integrated output pigtailed. Pigtailed and connector legs are pre-configured to match the port locations for the most common AI designs. Legs are pre-labeled and color-coded to reduce off-site prep and cabling time. Once the rack is cabled and validated, the output cables can stay in place for transport, reducing onsite deployment time.

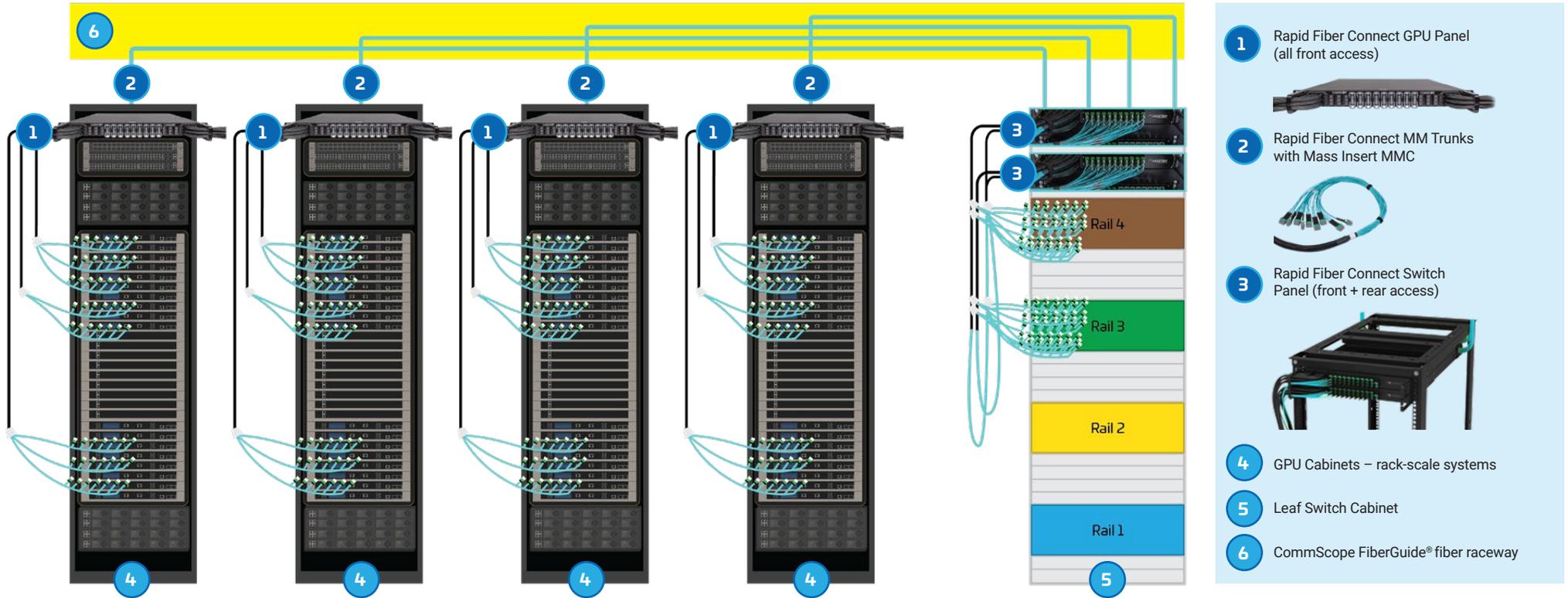
Trunk cables with Mass Insert connectors:

Trunks are available in singlemode and multimode to connect between racks and across pods, and in various lengths and fiber counts to match specific applications. Mass Insert connectors enable connection of 96 fibers with one click. Trunks can be pulled ahead of time, saving even more time, and don't have to be replaced as part of the next refresh.



Rapid Fiber Connect platform: Engineered for AI. Built for Scale.

One platform supports all levels of GPU connectivity, enabling you to quickly and easily deploy GPU-based rack systems, pods and clusters.



Cables and connectors for illustration purpose only – MPO pigtail bundle assembly will be optimized to match rack-scale system design.

