

# High Speed Migration - Bandwidth without boundaries

## Your challenge

The future—with hyperspeed links, razor-thin latency demands and a steady stream of disruptive technologies—is here, demanding your undivided attention. So what's your migration strategy? How do you keep your infrastructure agile, flexible, high density, easy to manage and scalable—no matter how things change?

## Your strategy

With our High Speed Migration platform, CommScope provides a smart and solid, end-to-end channel approach to infrastructure evolution. Modular fiber connectivity building blocks, infrastructure intelligence and network planning tools work together, enabling your infrastructure to adapt, evolve and scale—now and down the road.

## Your tools

### Fiber panels

High-density (HD) and ultra high-density (UD) panels provide up to 72 duplex LC or 48 MPO ports per RU—singlemode or multimode—to enable today's leaf-and-spine networks. With up to 72 LC or MPO connections per RU, our enhanced high-density (EHD) panels deliver outstanding density in tight spaces. Innovative sliding-tray (EHD) or sliding split-tray (UD/HD) design provides open access to all fibers while protecting active links during modifications. A full line of fiber modules and adapter packs supports multiple shelf platforms for more agility.

### Preterminated cabling

A complete portfolio of fiber trunks, arrays and patch cables, including OM5 Wideband multimode, enables shortwave division multiplexing, so you can use low-power, low-cost VCSEL technology to quadruple MMF fiber capacity. Ultra low-loss, preterminated components, for singlemode and multimode enable longer link spans and support for attenuation-sensitive applications such as new short-reach singlemode data center optics. G.657.A2-compliant singlemode fibers maximize optical performance and provide lowest bend losses.

### Modules

The High Speed Migration platform includes 8-, 12- and 24-fiber MPOs supporting a variety of network topologies. Singlemode or multimode 8-fiber MPOs are compatible with QSFP transceivers and easily enable 1:4 breakouts. MPO12 seamlessly supports legacy singlemode and multimode network expansion while MPO24 provides higher trunking densities and lower capital costs for multimode networks.

### Intelligence

CommScope's imVision® automated infrastructure management solution, available with HD and UD panels, enables you to monitor and manage your infrastructure at port level and in real time. imVision automates the process of planning, implementing and documenting moves/add/ changes, accelerates mean time to repair and alerts you to unplanned or unauthorized changes in your physical layer.

### Network planning tools

CommScope's Application Performance Specification and [Link Loss Calculator](#) make it easy to determine link support for new applications. The Application Performance Specification calculates the maximum supportable distance for any link design while the Link Loss Calculator provides the exact target performance for the link.



For all compliant links—targeted versus measured performance—CommScope enhances support for applications running within the maximum reach.<sup>1</sup>

HD, UD and EHD fiber panels help reduce the risk associated with change while keeping operational cost as low as possible. Preterminated connectivity and plug-and-play installation help you lower deployment time and cost and accelerate ROI.

CommScope's ULL fiber solutions provide the most extensive application support over longer spans and more connections than any other system on the market. So you can take advantage of emerging multimode and singlemode duplex fiber applications to dramatically reduce your fiber counts and increase capacity.

## Your trusted migration partner

More than innovative infrastructure solutions, the High Speed Migration platform is a long-term strategy that can take you from where you are to where you need to go. And there's no better partner than CommScope. We're out front: monitoring the trends, helping define the standards, working to keep you ahead of the industry. Together, we'll take on tomorrow.

<sup>1</sup> See CommScope Network Infrastructure System [25-year Extended Warranty and Application Assurance](#) for important details and conditions.