

## CommScope Delivers Higher Bandwidth with New Fiber Connectivity

**— LazrSPEED 550 WideBand Multimode Fiber Enables Up to Four Times More Bandwidth at Longer Distances than Standard Multimode Fiber—**

RICHARDSON, Texas--(BUSINESS WIRE)-- To meet the challenges associated with escalating data rates and the ongoing need for higher bandwidth in the data center, CommScope has introduced the SYSTIMAX® [LazrSPEED® 550 WideBand Multimode Fiber](#) (WBMMF) connectivity solution.

This Smart News Release features multimedia. View the full release here:  
<http://www.businesswire.com/news/home/20150921005223/en/>

The new WBMMF is now available as part of the [InstaPATCH® 360](#) pre-terminated fiber infrastructure solution and comes in a range of products including trunk cables, modules, array cords, fanouts and duplex patch cords.

"We have been working very hard at finding new and better ways to help our customers meet their current and future bandwidth needs," said Kevin St. Cyr, senior vice president of Enterprise Solutions, CommScope. "The LazrSPEED WideBand Multimode Fiber provides the ability to support significantly more throughput at longer distances than conventional multimode fiber while maintaining support for all legacy multimode applications. This will help customers save money by supporting high data rates over fewer fibers while opening the door to practical multimode terabit applications, thus extending the life of their data center infrastructure."

Multimode fiber continues to provide the most cost-effective and lowest power platform for high bandwidth optical connectivity in the data center. With the addition of the LazrSPEED 550 WBMMF solution, the platform has been extended to support higher speeds with fewer fibers at greater distances. WBMMF expands the currently specified high-bandwidth operating wavelength spectrum from a single wavelength at 850 nanometers (nm) to a range that includes 850 nm through 950 nm. This wide specification range enhances the capability of short wave division multiplexing (SWDM) technology to transmit 40G and 100G over a single pair of fibers at four different wavelengths.

A demonstration video of the LazrSPEED 550 WBMMF, performing a 40G transmission at 500 meters, can be seen [here](#).

The features and benefits of the LazrSPEED 550 WBMMF when used with SWDM include:

- Retains legacy application support of OM4
- Increases capacity to at least 100 Gigabits/sec (G) per fiber
- Enables single-pair Ethernet at 40G and 100G
- Enables single-pair Fibre Channel at 128G
- Reduces parallel fiber count by a factor of four
- Extends multimode utility as universal medium

"CommScope continues to work with leading ecosystem partners in the data center industry to foster the development and standardization of the WBMMF solution," said St. Cyr. "In keeping with the continual growth of higher bandwidth needs in the data center, our focus remains on the support and advancements of cost-effective solutions enabling high speed transmission over multimode fiber."

### Related Blog Posts:

[How to Achieve High Efficiency in Connectivity](#)

[The Arrival of Wide Band Multimode Fiber](#)

[The Next Generation of Multimode Fiber](#)

[Next Generation Multimode Fiber Gains Support](#)

**Related Videos:**

[CommScope Solves Bandwidth Needs with LazrSPEED 550 WideBand Multimode Fiber](#)

[CommScope Demonstrates LazrSPEED WideBand Multimode Fiber at OFC 2015](#)

**About CommScope:**

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