

The use of high-speed digital fiber optics and wavelength division multiplexing in avionics backplanes can enable a significant increase in aggregate bandwidths beyond traditional electrical ...

Our LXI Optical Switches are fiber optic multiplexers that use MEMS switching technology to ensure fast and reliable switching of single or multi-mode optical signals being carried on fiber connections.

Everything you need to build an optical network from end-to-end.

An optical input/output tray for management of optical fibers installed in a switch assembly is disclosed. The switch assembly has a co-packaged optics module with an optical data...

Module will support the switching of spatial and wavelength super-channels as well as a combination thereof.

In front of this device, incoming optical paths need to be separated spatially with a FIFO. Furthermore, optical paths need to be recombined at its ...

Explore the fundamentals of optical switching, including space, wavelength, time, and hybrid switching techniques. Learn about core components and applications.

Space division multiplexing (SDM) has attracted considerable attention within the fiber optics communication community as a very promising approach to significantly increase the transmission ...

The foundation has thus been laid for future work in which subsystems employing the all-optical switching devices developed here are demonstrated, including time-slot interchange circuits and ...

Animations showing how the key optical switching techniques work are available via the Web, as are lecture slides.

In front of this device, incoming optical paths need to be separated spatially with a FIFO. Furthermore, optical paths need to be recombined at its output by an additional FIFO. Spatial ...

the third-level air-to-air optical switch combination consists of $4N$ second optical switches, wherein the second optical switches are 1 multiplied by 2 optical switches and are arranged...

Web: <https://www.csc-energia.com.pl>