

Education

# Passive Optical LAN Solution

One of the first choices for network solutions is increasingly becoming fiber, especially with the growing call for Passive Optical LANs (POLs). Fiber opens up a range of options for next-generation network infrastructure design, thanks to its exceptional distance and bandwidth performance.

Along with better bandwidth and distance, fiber optics have a broader impact, lower total cost of ownership, reduced hardware components and decreased space for telecommunications closets. All the above equate to efficiencies in energy consumption and space/weight, as well as installation and security benefits. Fiber optic cabling should absolutely be a consideration for growing educational platforms, as POLs represent a sustainable investment for the future.

Digital data and the infrastructure systems that facilitate it are massive and essential parts of colleges and universities. A POL antiquates existing infrastructures by offering convergence of cabling infrastructure: increasing floor space for telecommunications rooms; decreasing overall materials, including cabling, overhead racks, space and weight; and reducing HVAC requirements.

As a result, high learning institutions implementing a POL gain the capability to proliferate data streams, while accommodating more students to a greater level of usability.



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