

Is it better to use network cables or fiber optic cables for cascading PoE switches



Overview

While Ethernet cables are ideal for short-range connectivity and Power over Ethernet (PoE) systems, fiber optics are unmatched in bandwidth and reliability over extensive distances. Choosing between fiber optic cable and Ethernet (copper) cable is critical for network performance, cost, and scalability. Both cable types offer distinct advantages, but their strengths serve different priorities. Fiber optics. When setting up a new network, one question always comes up: Should you use fiber or Ethernet cables?

Both carry data. And they don't serve the same needs. Local area networks (LANs) and data centers have long been comprised of both copper and fiber cables to establish backbone links between active equipment and horizontal links to connect a wide range of end devices.



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