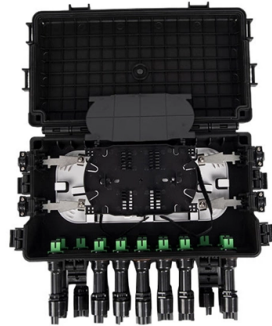


Panel AP with Fiber Optic Interface



AI Overview

AP panels with fiber optic interfaces enable high-speed, long-distance connectivity for wireless access points, offering enhanced stability, EMI immunity, and integration with fiber networks.

Overview

An AP panel with a fiber optic interface is a network access point designed to connect directly to fiber optic cabling rather than traditional copper Ethernet. These APs typically include SFP or fiber ports, allowing them to link to fiber backbones over distances ranging from hundreds of meters to several kilometers without additional media converters. This setup is ideal for environments requiring long-distance transmission, high bandwidth, and electronic isolation, such as industrial facilities, ports, or areas prone to electrical interference.

Benefits of Fiber-Connected APs

- Ultra-long transmission distance: Fiber allows APs to connect over much longer distances than copper Ethernet, supporting large campuses or industrial sites.
- Electronic isolation: Fiber transmits light instead of electrical current, protecting the network from surges, lightning strikes, and ground loops.
- High bandwidth and stability: Fiber supports Wi-Fi 6/7 and high-density deployments, ensuring reliable performance in complex network environments.
- EMI immunity: Ideal for environments with heavy machinery or electromagnetic interference, where copper cabling may be unreliable.

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Fiber Panels

CommScope's FPX series fiber panels are available to be shipped with factory installed adapter packs

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town, 7441, South Africa

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