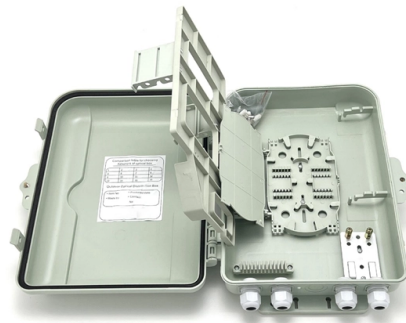


What fiber optic connectors does XPON offer



Article Overview

SC, LC, and MPO/MTP connectors are the primary fiber optic connectors used in XPON networks, supporting both GPON and EPON deployments.

Common Connector Types in XPON

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SC (Subscriber Connector): Widely used in GPON and EPON networks, SC connectors feature a square shape with a push-pull coupling mechanism. SC/APC variants are preferred in XPON networks where low return loss is critical, such as in RF video or high-speed broadband applications .

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LC (Lucent Connector): A miniaturized connector with a 1.25mm ferrule, LC connectors are ideal for high-density XPON deployments, such as in central offices or street cabinets. They provide secure latch connections and are commonly used for duplex or simplex fiber links .

-

MPO/MTP (Multi-Fiber Push-On): These multi-fiber connectors handle 8, 12, 16, or 24 fibers per connector, making them suitable for high-capacity XPON backbones or aggregation points. MPO/MTP connectors are often used in OLT-to-splitter or splitter-to-ONU links where multiple fibers need to be managed efficiently .

Other Connectors...

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Introduction Optical Network Units (ONUs) are the endpoints of a point-to-multipoint access network, usually

Contact Us

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