

EPON device schematic diagram



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Schematics of 10G EPON architecture where OLT and ONU communicates both upstream and downstream. Source publication



The next-generation Ethernet passive optical network (NG-EPON) is basically classified into two architectures on the basis of the wavelength sharing by the optical network units (ONUs).



The configuration of EPON equipment is basically the same. The article on this site takes ZTE's ZXA10 model and Huawei's box-type pigtail fiber-1:2 (10/90)-optical splitter as examples.



OLT and ONU shall implement the Control Multiplexer state diagram shown in Figure 144-6.



An alternate solution for Ethernet passive optical networks (EPON) providing local area networking (LAN) capabilities is proposed in this article.

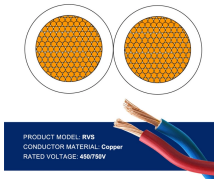


Figure 1-1 A typical EPON architecture. An OLT, generally an Ethernet switch, router, or multimedia conversion platform, is located at the central office (CO) as a core device of the whole EPON system ...



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Restrictions and guidelines: OLT configuration.....
.....
..... 8 OLT tasks ...



As shown in Figure 1, PON is a single-fiber bidirectional optical access network with a point-to-multipoint structure. Its typical network is composed of the following parts: · The Optical Line ...

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