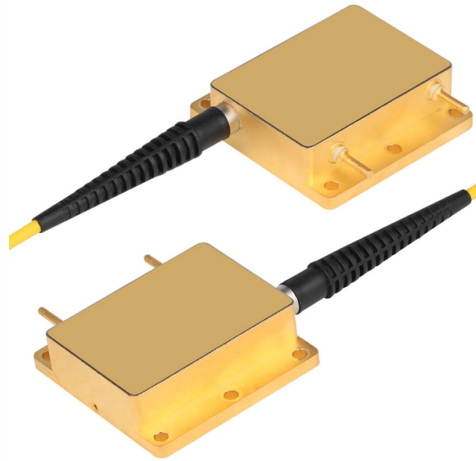


Optical modules distinguish between 100Mbps and 1Gbps speeds



Article Overview

100Mbps optical modules are typically labeled as 100Base or FE, while 1Gbps modules are labeled as 1G, 1.25G, 1000Base, or GE.

Speed Labeling and Identification

Optical modules indicate their speed through standard markings on the module itself or in product specifications. For 100Mbps modules, look for labels such as 155M, 100Base, or FE. For 1Gbps modules, common labels include 1G, 1.25G, 1000Base, or GE. These labels are standardized and help quickly identify the module's supported data rate without testing the connection .

Form Factor Considerations

Both 100Mbps and 1Gbps modules often use the SFP (Small Form-factor Pluggable) package. SFP modules were originally designed for Gigabit Ethernet, but some older 100Mbps modules also use the same SFP form factor. Higher-speed modules, such as 10Gbps, use SFP+, while 25Gbps and above use SFP28 or QSFP variants .

Fiber Type and Transmission Distance

The type of fiber can also provide clues:

- Multimode fiber (OM1/OM2): OM1 was commonly used for 100Mbps, while OM2 an...

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I deal mainly with smaller networks and slower internet speeds (usually 10Mb-100Mb), so my world mainly revolves

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Comprehensive Guide to Optical Transceiver Classifications and

Introduction Optical modules are critical components in fiber optic communications, enabling the conversion between

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I have a network with an older HP 1400-24G un-managed switch. A while back I noticed that backup for a SQL server

Contact Us

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