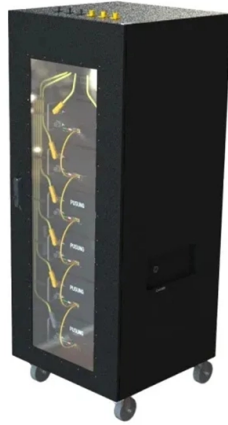


Optical module A B port



Overview

An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data communications applications. Optical modules typically have an electrical interface on the side that connects to the inside of the system and an optical interface on the side that connects to the outside world through a fiber optic cable. The form factor and electrical interface are often specified by an int. Electrical Interface Types There have been multiple variants of the electrical interface of optical modules that have been used over the years. The earliest forms of optical modules had an analog electrical interface. In the transmit dir. Many different forms of optical modulation and multiplexing have been employed in optical modules. The most common modulation technique historically has been or NRZ.



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Optical modules come in various types, and their external structures are not exactly the same. However, their basic compositional structure includes the following

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For example, by simply replacing the pluggable optical transceiver, a media converter that was originally used in a multimode network can be re-configured to

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For example, SFP modules (Small Form-Factor Pluggable) are among highly demanded types and have embedded transmitter and receiver. They enable to

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Optical module

An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data communications applications. Optical modules typically have an electrical interface on the side that

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