

Selection Guide for SFP Optical Line Terminals for Distribution Network Automation



Overview

This comprehensive guide details Gigabit and Multi-Gigabit SFPs, their specifications, and compatibility across Cambium's PTP, PMP, cnWave, and cnMatrix product lines. SFP (Small Form-factor Pluggable) modules are hot-swappable optical or copper transceivers used in switches, routers, firewalls, and network interface cards. Think of it as the “translator” for your network equipment, converting electrical signals into optical signals. When selecting an SFP OLT (Small Form-factor Pluggable Optical Line Terminal), prioritize compatibility with your existing GPON or EPON infrastructure, ensure support for required wavelengths like 1490nm downstream and 1310nm upstream, and verify port density based on subscriber count 1. For most. Unlock seamless connectivity with Cambium Networks' SFP Guide, your go-to resource for selecting the right Small Form-Factor Pluggable (SFP) modules.



Article Content

The Ultimate Guide to SFP Modules (2026): Types, Speeds

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right transceiver for Cisco, Juniper, and more.

Learn how to choose the right SFP module for your network. Avoid ...

Learn how to choose the right SFP module for your network and avoid common compatibility mistakes. This practical guide explains SR vs LR, singlemode vs multimode,

What Is an SFP Module and How to Choose It? (2026 Updated)

In today's high-speed networking environments, Small Form-factor Pluggable (SFP) modules play a crucial role in ensuring flexible and scalable fiber optic connectivity. Whether you're

Optical Transceiver Selection Guide for ISPs

Resources / Selection Guide Optical Transceiver Selection Guide for ISPs A concise, field-tested guide to choosing SFP/SFP+/QSFP28 optics for small and regional ISP networks. Start from the link type-

SFP Modules: Types, Selection Guide & Applications

An SFP module is a compact, hot-swappable optical transceiver designed to facilitate data transmission between network devices such as switches, routers, servers, and media converters.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

