

Optical Module STM4



Overview

The STM-4 (Synchronous Transport Module level-4) is a transmission rate defined within the Synchronous Digital Hierarchy (SDH), a set of optical network standards specified by the International Telecommunication Union Telecommunication Standardization Sector (ITU-T). The SDH frame structure and. This article compares the capacity and speed of STM0, STM1, STM4, STM16, STM64, and STM256. We'll explore the differences between these Synchronous Transport Modules (STMs) concerning their data-carrying capabilities. Depending on the cable type (multimode or single-mode fiber), wavelength (850 nm, 1310 nm, 1550 nm or CWDM/DWDM) and data rate, the SFPs are available in. Good quality 622Mbps CWDM SFP Transceiver Module (SMF, 1270~1610nm, 80km, LC, DDM). Optcore's OPC622-xx80DCR is a high performance and cost-effective CWDM (Coarse Wavelength-Division Multiplexing) SFP transceiver module for SDH STM-4/SONET OC-12 and 622Mb/s ATM long reach the application, which. Product Custom Request FS Product Customis a customized service provided by FS to meet customers' hardware and software development needs, including product compatibility and software feature development for PicOS®, AmpCon, and transceivers. Add to Cart Specifications Q&A Reviews Resources. The SLQ4 transmits and receives STM-4 optical signals, performs O/E conversion for the STM-4 optical signals, extracts and inserts overhead bytes, and generates alarm signals on the line.

Article Content

Apr 02, 2026

Optical module design resources | TI

Design requirements Modern optical module designs often require: Reduced power consumption to control and limit module temperature rise. Dynamic and precise control of laser diodes to regulate

Jan 28, 2026

Precautions for Conversion Between STM-1 and STM-4 Line Boards

After the downgrade from STM-4 services to STM-1 services, you can use a 155 Mbit/s or 622 Mbit/s optical module. If the STM-1 line board uses a 622 Mbit/s optical module, the

Feb 05, 2026

10 Gbit/s XFP Optical Module

10 Gbit/s XFP Optical Module You can use different levels of 10 Gbit/s XFP optical modules with OC-192/STM-64 POS interfaces and 10 GE interfaces. The wavelength of these 10

Jun 02, 2026

STM-4 explained

STM-4 explained The STM-4 (Synchronous Transport Module) is a SDH ITU-T fiber optic network transmission standard. It has a bit rate of 622.080 Mbit/s. The STM-4 specification is designed to

Oct 18, 2025

Huawei SSN1SL4A (L-4.1,LC) Board N1SL4A price and

Huawei SSN1SL4A (L-4.1,LC) Board is a 1-channel STM-4 optical interface board, which realizes the reception and transmission of 1-channel STM-4 optical signals,

Nov 22, 2025

SSR1SL4(L-4.1,LC) Price Specs, OSN 1500 OSN2500

Description 1x STM-4 Optical Interface Board (L-4.1,LC). Apply to Huawei OSN 1500B, OSN 2500 to transmit and receive 1xSTM-4 optical signals, at 15~40km.

Aug 14, 2025

OptiX OSN 1500 SSN1SLQ411 4xSTM-4 optical interface board

Transmits and receives 4xSTM-4 optical signals. Supports different types of standard optical interfaces, namely, the I-4, S-4.1, L-4.1, L-4.2, and Ve-4.2. The characteristics of the optical interfaces of the I-4,

Jul 20, 2025

FS OC-12/STM-4 SFP (mini-GBIC) IND DOM Transceiver

Check FS compatible OC-12/STM-4 SFP transceiver module data sheet (singlemode, 1550nm, 40km, LC connector) and price list on FS , buy it now!

Apr 04, 2026

622M STM-4/OC-12 1550nm 80km SFF Transceiver Module

622Mbps STM-4/OC-12 SMF 1550nm 80km SFF Transceiver from Manufacturer at Affordable Factory Price,5-Year Warranty & Money-back Guarantee.

May 12, 2026

Optical Transceiver: SFP STM-4

Compatible transceivers from Pan Dacom Direkt are the cost-effective

Jun 25, 2026

TSoP Smart SFP™ | Transparent SONET/SDH over

The Smart SFP serves a wide range of optical and reach applications: OC-3/STM-1, OC-12/STM-4, or OC-48/STM-16 duplex fiber with reaches up to 80 km at an

Oct 11, 2025

OptiX OSN 1500 SSN1SLQ411 4xSTM-4 optical interface board

High quality OptiX OSN 1500 SSN1SLQ411 4xSTM-4 optical interface board -- OSN1500 from China, China's leading Huawei Optical Transceiver product, with strict quality control Huawei Optical

Mar 17, 2026

STM-1 and STM-4 SDH Multiplexer Solutions: Next generation SDH ...

STM-1 and STM-4 SDH Multiplexer Solutions: Next generation SDH multiplexers provide E1/DS3, E3/DS3, 8 port 10/100Base-T Ethernet, 2xSTM-1 optical, 2xSTM-1 electrical / 140Mbps tributary

Oct 08, 2025

Customized OC-12/STM-4 LR-2 SFP 1550nm 80km

Customized OC-12/STM-4 LR-2 SFP Transceiver Module supports up to 80km link lengths over single-mode fiber (SMF) using a wavelength of 1550nm via an LC

Jul 15, 2025

Transceiver USA 400G QSFP-DD LR4 Duplex LC Optical Network Module

Transceiver USA's TUSA4QDDLR4 optical modules are used in datacenter and enterprise networks. They are cross compatible with Arista, Cisco, Dell, Intel, Juniper, Nvidia networks.

Feb 04, 2026

Optical Transmission Solutions | Valiant Communications

4 E1 Optical Multiplexer plus Ethernet with SNMP 4 E1 Optical Multiplexer with 100Mbps Ethernet data transmission rate solution is a high performance optical line transmission equipment, combines 4,

Jun 12, 2026

STM-4/622Mbps 40km SFP Optical Transceiver module

The STM-4/622Mbps 40km SFP optical transceiver module is a component used

Oct 02, 2025

Produkt SFP STM-4

Entdecken Sie jetzt den Transceiver SFP STM-4 & seine verfügbaren Module und viele weitere Produkte bei Pan Dacom Direkt. Weitere Informationen anfordern.

Oct 27, 2025

622M STM-4/OC12 160km CWDM SFP Transceiver

Buy 622M STM-4/OC12 160km CWDM SFP Optical Transceiver from Manufacturer at Affordable Factory Price,5-Year Warranty & Money-back Guarantee.

Sep 09, 2025

2.67Gbps STM1/STM4/STM16 SFP 1310nm 15km SMF Optical

The Fiberinthebox's Multi-rate Series 2.67Gb/s transceiver module integrates optics and electronics in a Small Form Factor Pluggable (SFP) package. It is Multisource Agreement (MSA) compatible and

Feb 25, 2026

622M STM-4/OC12 80km CWDM SFP Transceiver Module

This 622Mbps CWDM SFP transceiver module provides an 80km transmission distance over single-mode fiber. It features a highly reliable CWDM DFB transmitter and PIN photodiode into a LC Duplex

Nov 08, 2025

Configuring the OC-3c/STM-1, OC-12c/STM-4, and OC-48c/STM-16

This chapter describes the OC-3c/STM-1, OC-12c/STM-4, and OC-48c/STM-16 Packet over Synchronous Optical Network (SONET) (POS)/synchronous digital hierarchy (SDH) Optical Services

Apr 23, 2026

STM0, STM1, STM4, STM16, STM64, STM256:

This article compares the capacity and speed of STM0, STM1, STM4, STM16, STM64, and STM256. We'll explore the differences between these Synchronous

Dec 10, 2025

622M SFP STM-4 SFP Optical Transceivers1

Keywords OC-12/STM-4 SFP Optical Transceivers, reach up to 160km SFP-OC12-MM, SFP-OC12-SR, SFP-OC12-IR1, SFP-OC12-LR1, SFP-OC12-LR2

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