

Optical module F5



Article Overview

F5 optical modules are transceiver devices that enable high-speed fiber-optic data transmission between F5 networking platforms and other network devices.

Core Function

F5 optical modules, also known as optical transceivers, convert electrical signals from the F5 device into optical signals for transmission over fiber cables, and vice versa. This allows F5 platforms to communicate over long distances with minimal signal loss, supporting high-speed network connections such as 1G, 10G, 40G, and 100G depending on the module type and platform .

BiDi and Standard Modules

Some F5 optical modules use Bi-Directional (BiDi) technology, which allows a single fiber to carry data in both directions using two different wavelengths. For example, a 100G BiDi QSFP28 module supports 50Gbps per fiber, totaling 100Gbps . Standard modules typically use separate fibers for transmission and reception. BiDi modules are supported on specific F5 platforms and require compatible software versions, such as BIG-IP 12.1.3 or later .

Platform Compatibility

F5 optical modules are designed to work with F5-branded or F5-provided modules. While some third-party optics may function, F5 only guarantees support for its own modules . Supported platforms include BIG-IP iSeries, VIPRION blades, VELOS, and rSeries devices, with compatibility depending on the optics package version installed .

Installation and Safety

Article Content

F5 Networks SFP-10G-RJ45-80M-F5 SFP+ 10GBASE-T Twisted Pair

Make troubleshooting, maintenance and monitoring in your network easier with the Digital Diagnostics Monitoring

F5-UPG-SFP+LR-R F5 | €12 | EDGE Optical Solutions

Non-F5 modules trigger unsupported optic warnings in the BIG-IP logs but still pass traffic. F5-coded compatible modules like the

Transceiver Modules | BIG-IP Documentation

The module accepts eight host electrical data and transmits them into two groups of optical

Double Fiber 550 m SFP Optical Transceiver: F5

F5 Networks F5-UPG-SFP-R is SFP Double Fiber Transceiver supporting 1.063-1.25Gbps data rate in 550

SFP Optical Module F5 F5-UPG-SFPC-R (OPT-0051-00 / OPT-0015

F5 SFP Optical Module F5 F5-UPG-SFPC-R (OPT-0051-00 / OPT-0015-00) 1000BASE-T (10/100/1000 RJ45) ROHS 100m Copper

Bug ID 627914

Symptoms When a 40G interface is configured "bundle disabled" the optic module in use on the interface will be

Transceiver Modules

Transceiver Modules Copper SFP modules These copper GbE SFP transceiver modules are supported in F5® products. Important:

F5-UPG-SFP28-SR-C Amphenol ProLabs | Fiber Optic Transceiver Modules ...

Buy now, ships today. F5-UPG-SFP28-SR-C - Transceiver Module 850nm LC Pluggable, SFP28 from Amphenol ProLabs. View

OPT-0017-00-FL F5 Compatible F5 SFP Module

FluxLight's OPT-0017-00-FL is a F5® compatible 10GBase SFP+ Optical Transceiver and is factory pre

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals,

Overview: Optics packages and optical transceiver modules

Before you use optical transceiver modules with your 100G-capable platforms, you must update the system to the

F5 Networks Compatible Transceivers | EDGE Optical Solutions

Browse F5 Networks compatible optical transceivers. 100% compatible, tested and certified. Fast shipping, competitive pricing.

F5 F5-UPG-QSFP+ Compatible 40GBASE-SR4 QSFP

F5 Networks F5-UPG-QSFP+ Compatible 40GBASE-SR4 QSFP+ Optical Transceiver Module (MMF,

Differentiating the 1 gigabit SFP and 10 gigabit SFP+ optic modules

F5 manufactures and ships two different SFP optics that look identical in size and shape: the one gigabit SFP and 10

Overview of the BIG-IP Digital Diagnostic Monitoring feature

For a list of F5 branded optical transceivers with DDM that are supported on the BIG-IP platforms, refer to K6097:

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your

F5 Transceiver Modules Data Sheet

Active Optic Cables (AOC) Small Form Factor Pluggable (SFP) or GBIC mini module
Note : F5 gigabit Ethernet

F5 Networks F5-UPG-QSFP+ Datasheet | FluxLight

F5 COMPATIBLE Networks F5 COMPATIBLE-UPG-QSFP+ Overview The F5 COMPATIBLE-UPG-QSFP+ is a parallel 40Gbps

Overview of the F5 VELOS and rSeries Digital Diagnostic ...

Both standards cover optical transceivers such as QSFP28, QSFP+, SFP, SFP+ and SFP28. For a list of F5 branded

Optical module design resources | TI

View the TI Optical module block diagram, product recommendations, reference designs and start designing.

Transceiver Modules

F5® recommends Category 5e or Category 6. F5 only provides support for F5-branded or F5-provided optical modules. All photos

K000140655: OPT-0054-01, Innolight (TR-PY13L-NF5, Rev "R1A ...

Figure: OPT-0054-01 Innolight optic label You can display the optic module connected to port 5.0 by entering the

100GBASE-LR4 QSFP28 1310nm 10km BOX SMF Module for F5

NADDOD 100G optical module is suitable for 100G Ethernet, 112G OTN OTU4, telecom, access networks, data center interconnects,

Troubleshooting port groups and interfaces on F5 rSeries and F5

For more information about supported optics, refer to the following documentation:
rSeries Supported Optics on F5

Transceiver Modules

These fiber GbE SFP (or Mini-GBIC) transceiver modules are supported in F5 ® products. Important: F5 only provides support for F5

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://jrsekwele.co.za>

Email: info@jrsekwele.co.za

Phone: +31-20-794-2536

Address: Herengracht 47, 1015 BB Amsterdam, Netherlands

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