

# 1310nm Long-Distance Optical Cable Warranty



## Overview

Cisco, Juniper, Arista & HPE compatible. A 1310nm optical module lets you move data efficiently through fiber optic communication networks. As part of the O-band (1260–1360 nm), it balances low dispersion, stable performance, and cost efficiency. Every SFP-GE-SM13-10KM module is environmentally tested in its specific port/platform, which includes compliance verification for distance, wavelength, traffic. Among the different kinds of optical fibers, the 1310nm wavelength has some unique features and uses. This article will talk about what. EdgeOptic offers 40 different 10G SFP+ transceivers, covering SR, LR, ER, ZR+, BiDi, CWDM, DWDM, and Copper. Distances range from short multimode links up to 120km on single-mode fiber. The modules are tested for compatibility with over 80 network equipment brands and cost less than OEM. The BO05C136 1000BASE-LX LC Duplex SFP compatible with Standard Code (Cisco) has a receiving function (receiver with 1310nm) and a transmitting function (transmitter with 1310nm) for the transmission of optical signals via multimode fiber, taking the respective transmission protocol into account.

## Article Content

Arista QSFP-100G-LRL4 100GB BASE-LRL4 1310nm Duplex

The Arista QSFP-100G-LRL4 is a high-speed 100GB BASE-LRL4 transceiver designed for reliable optical communication. Operating at 1310nm wavelength, this QSFP28 module supports duplex

What Is 10GBASE-LR? SMF 1310nm 10km SFP+ Explained

A practical, engineer-grade guide to 10GBASE-LR: what it is, 1310nm single-mode SFP+ specs, optical budget examples, deployment best practices and troubleshooting.

Arista QSFP-100G-ER1 | 100G Single Lambda Transceiver, 1310nm,

Description The Arista QSFP-100G-ER1 is a high-performance 100GBASE-ER1 single lambda QSFP28 optical transceiver designed for extended-reach 100 Gigabit Ethernet applications. Utilizing advanced

Cisco 10GBASE SFP+ Modules Data Sheet

Cisco SFP+ Active Optical Cables (Figure 5) are direct-attach fiber assemblies with SFP+ connectors. They are suitable for very short distances and

Everything You Need to Know About 1310nm Optical

Limitations of 1310nm Optical Modules Distance Restriction: Standard reach is up to 10 km. Longer links require 1550 nm optics. Higher Attenuation:

1000BASE-LX SFP 10KM 1310nm BlueOptics Transceiver

Each BlueOptics BO05C136 1000BASE-LX LC Duplex SFP is covered by a 5-year functional warranty from CBO.

Purchase H3C SFP-XG-LX-SM1310 Transceiver

The use of a 1310nm wavelength ensures minimal signal degradation over long distances, making it suitable for extensive network links, including data center interconnects and enterprise backbone

What is the difference between 1310nm and 1550nm?

In summary, the difference between 1310nm and 1550nm is their application in optical communication systems, where 1310nm is suitable for shorter distances and 1550nm is suitable for

Axiom 10GB-F20-SFPP-AX 10GBASE-ER SFP+ Transceiver (20km,

Axiom 10GB-F20-SFPP-AX 10GBASE-ER SFP+ transceiver, 10Gbps over single-mode fiber up to 20km at 1310nm, MSA compliant, LC connector, backed by Lifetime Warranty.

Arista QSFP-100G-DR 100GBASE-DR QSFP28 Single Lambda

The Arista QSFP-100G-DR 100GBASE-DR QSFP28 Single Lambda 1310nm 500m DOM Duplex LC SMF Optical Transceiver is engineered for high-speed Ethernet connectivity in modern enterprise,

SFP Single Mode LC Module (10km)

Transmission distance of up to 10km (6.21 mi.) Duplex LC optical interface Supports data rates of up to 1.25Gbps Supports 1310nm singlemode network

Cisco Compatible SFP List 2026: Architect's Selection Guide

Wavelength selection is more than just "Multimode vs Singlemode." Chromatic Dispersion —where different wavelengths of light travel at different speeds—can smear signals over

What is an SFP Optical Module? The Complete Guide to

The complete technical guide to SFP optical modules (SFP, SFP+, SFP28). Understand the core function, compare data rates (1G to 25G), learn

10G SFP+ LR 1310nm 10KM

Operating at a wavelength of 1310nm, this module supports 10G Ethernet and 10G Fibre Channel, making it ideal for enterprise, data center, and long-distance access network applications.

Everything You Need to Know About 1310nm Optical

1310nm optical modules are essential for efficient data transmission in fiber optic networks, especially for medium distances. These modules offer low

Arista SFP-10G-LR-AR 10GBPS 1310nm Single-mode Fiber Refurbished

The 1310nm wavelength used by the Arista SFP-10G-LR-AR transceiver provides significant benefits for long-distance optical networking. Single-mode fiber transmission at 1310nm minimizes attenuation

SFP, 1.25Gbps, 1000BASE-LX, SMF, 1310nm, 10KM

Every SFP-GE-SM13-10KM module is environmentally tested in its specific port/platform, which includes compliance verification for distance, wavelength,

Arista OSFP-400G-DR4 400G DR4 QSFP-DD PAM4 1310nm 500m New

Arista OSFP-400G-DR4 400G DR4 QSFP-DD PAM4 1310nm 500m DOM MTP/MPO-12 APC SMF Optical Transceiver. New Sealed with 1 Year Replacement Warranty

Fiber Optic Transmitter Price

Long-distance applications (10 km to 80+ km) require single-mode fiber with 1310nm or 1550nm lasers, often incorporating dispersion compensation and optical amplification.

Fiber Optic Wavelengths Explained: 1310nm vs 1550nm

Fiber wavelengths at 1310nm and 1550nm minimize signal loss and dispersion, enabling efficient long-distance data

Understanding 1310nm Fiber: A Comprehensive Guide

A: Yes, because it provides efficiency over long-distance coverage and is compatible with existing infrastructures within different fiber optic

SR, LR, ER, ZR, DWDM, BiDi

All units come with a 5-year warranty. Short-range SFP+ transceivers optimize data center and enterprise campus connectivity over multimode fiber. These modules

SFP+10G 1310nm 10Km LC Optical Module Guide

The SFP+10G 1310nm 10Km LC optical module is a powerful and versatile solution for high-speed, long-distance data transmission. Understanding SFP+ optical

NVIDIA/Mellanox Compatible 400GBASE-XDR4 QSFP

NVIDIA/Mellanox Compatible 400GBASE-XDR4 QSFP-DD 8x50G PAM4 1310nm 2km SMF DOM MPO-12/APC Optical Transceiver Module

1000BASE-LX SFP Transceiver

Get the 1000BASE-LX SFP transceiver for compatible fiber optic connections up to 10km at 1310nm wavelength with LC connector. Buy now!

What Are the Key Parameters of Optical Modules

Understand the key parameters of optical modules, including transmission rate, distance, wavelength, and fiber compatibility, for better network

Understanding 1310nm Fiber: A Comprehensive Guide

Explore the complexities of 1310nm fiber wavelengths in this comprehensive guide. Learn about fiber optics, optical transmission, and more.

What Is 10GBASE-LR? SMF 1310nm 10km SFP+ Explained

10GBASE-LR is a 10-gigabit Ethernet optical standard that operates at 1310 nm over single-mode fiber (SMF), supporting link distances of up to 10 km.

10GBASE-LR20 SFP+ SMF 1310nm 20km DDM Transceiver

Our SFP+ LR transceiver comes with an Industry Leading Lifetime Warranty, surpassing the OEM warranty for the same product. Every SFP+ LR transceiver is environmentally tested in its specific

Walsun 100G QSFP28 Full Range BIDI Solution

Walsun 100G QSFP28 BIDI series optical module products 100G QSFP28 SR BIDI module, targeting short-distance applications in enterprise

## Contact Us

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