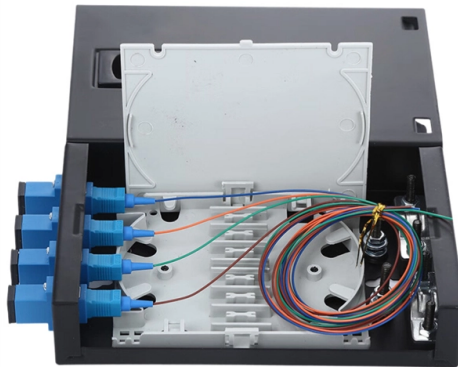


Meaning of the SN code of the optical module



Article Overview

The SN code refers to a specific type of Very Small Form Factor (VSFF) duplex optical connector used in high-density fiber optic networks.

Overview of SN Connectors

The SN connector is a compact, ceramic-based fiber optic connector designed for both single-mode and multi-mode fibers up to 2.0mm in diameter . It uses the same 1.25mm ferrule technology as the standard LC connector but with significantly reduced outer dimensions, allowing for higher packing density in patch panels and transceivers . The SN connector supports Base-2 and Base-8 configurations, making it compatible with both single-lane optics like SFP+ and multi-lane pluggable optics such as QSFP-DD or OSFP .

Key Features

- **High Density:** Up to four SN connectors can be connected to a single QSFP-DD or OSFP transceiver, enabling quadruple switch density without additional cassettes or fan-out cables .
- **Flexibility:** The connector includes a pullable, flexible boot that allows bending from straight to 90°, ensuring accessibility even in tightly packed panels .
- **Compatibility:** SN connectors are used in modern optical modules such as PSM4, SR4, DR4, DR4+, and SR4.2, supporting data rates up to 400G, 800G, and even 1.6TB

Article Content

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CS® and SN® Connector

The SN® connector was designed to provide individual and independent duplex fiber breakout at a quad style transceiver (QSFP,

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Optical Module (SFP, SFP+, QSFP, CFP, etc)

Optical Module (SFP, SFP+, QSFP, CFP, etc) Optical Module (SFP, SFP+, QSFP, CFP, etc) There are many types of optical

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SN® connectors offer greater flexibility and scalability, enabling easier customization of connectivity options and accommodating

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FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

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Optical Module Coding Explained

In essence, optical module coding acts as a lock-and-key system (i.e., the code is the “key” to unlock proper

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Optical link module

Optical channels The fiber-optic cables are connected via BFOC/2.5 connectors. Seven multicolor LEDs indicate the current

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Fundamentals of an Optical Module As an important part of fiber-optic communication, an optical module is a

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SN® Connector | FO Connector

The SN plug connector allows users to increase the port density per 19” height unit (HU) in datacenter optical fiber cabling

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Explanation of Optical Module Parameters

Considering that some newcomers to optical modules may not understand the letters on the optical module or the

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Comprehensive Guide to Optical Transceiver Classifications and

Introduction Optical modules are critical components in fiber optic communications, enabling the conversion between

Contact Us

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