

# CFP8 High-Precision Configuration Solution



## Overview

The CFP8 series includes a plug connector on the mating interface to improve accuracy and aid in delivering high speed performance. Ixia's K400 CFP8-400GE load module will accelerate your development of IEEE 802.3bs-compliant 400GE networking systems. Giving development teams the options they need to create the networking technologies of the future, these load modules are available in two different models: Both models enable. This article breaks down the key differences between CFP, CFP2, CFP4, and CFP8 optical transceivers commonly used in fiber optic networks. Figure 1: Dimensions of CFP, CFP2, CFP4, and CFP8 The table below summarizes the specifications of each form factor: 24 W (Max. ) In essence, the progression. Amphenol's CFP8 interconnect system has 124 contacts per port, with a 0. It provides FEC error injection, PCS/Tx/Rx testing, and layer1 BERT testing with full line-rate layer 2-3 Tx, Rx, and capture capabilities. The CFP (C Form-Factor Pluggable) module was.



## Article Content

Nov 05, 2025

### 400GbE Technology Demonstration Using CFP8 Pluggable Modules

In this article, we first review the current status of 400GBASE client-side optics standards and multi-source agreements (MSAs). We then compare different form factors for 400GE modules, ...

Sep 26, 2025

### K400 CFP8 Load Modules

K400 CFP8-R400GE: A reduced-featured model with 1-port, 2-slot, native CFP8 400GE load module designed for hardware, ASIC, cable/optics qualification, and interoperability testing.

Apr 25, 2026

### What are CFP8 and CDFP connectors?

This solution uses one mezzanine connector, two PCBs and a four-row edge receptacle connector in two styles with 120 contacts used in a 29.71 mm wide module. Developing the thermal ...

Feb 05, 2026

### IXIA K400 CFP8 Load Modules

It has 2 slots with the native CFP8 physical interface and supports hardware, ASIC, cable/optics qualification, and interoperability testing. It provides L2-3 support and is compatible with the XGS12 ...

Feb 16, 2026

### CFP MSA CFP8 Hardware Specification

The CFP8 connector supports the following configurations: Up to sixteen (16) 25Gbit/s TX lanes plus up to sixteen (16) 25Gbit/s RX lanes; The CFP8 pin-orderings are shown in Table 5-5.

Oct 31, 2025

### 400G CFP8 PAM4 & 400GBASE-SR16 NRZ Transceiver Modules

CFP8 PAM4 optics, compliant with IEEE 802.3bs 400GBASE-FR8 & LR8 electrical interface specifications, offers higher receiver bandwidth capacity for reach up to 2km and 10km.

Jan 28, 2026

## CFP vs CFP2 vs CFP4 vs CFP8 Optical Transceivers: Key Differences

Explore the differences between CFP, CFP2, CFP4, and CFP8 optical transceivers, including size, power usage, bandwidth, and DSP integration.

Feb 25, 2026

### 10GBASE Gb/s SFP+

ML4057 is designed to provide an easy and effective solution for programming and characterization of CFP8 modules. The ML4057 comes complete with a user friendly GUI supporting all features defined ...

Oct 23, 2025

## CFP vs CFP2 vs CFP4 vs CFP8 Optical Transceivers: ...

Explore the differences between CFP, CFP2, CFP4, and CFP8 optical transceivers, including size, power usage, bandwidth, and DSP integration.

Apr 10, 2026

## Understanding the Difference Between CFP, CFP2, CFP4, and CFP8 ...

At Sate Optics, we provide a full range of CFP, CFP2, CFP4, and CFP8 optical transceivers, covering 10 km, 40 km, and 400G solutions. Our modules are fully compliant with IEEE ...

## Contact Us

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

Website: <https://www.iiss.co.za>

Email: [sales@iiss.co.za](mailto:sales@iiss.co.za)

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

