# QSFP to SFP+ Converter (CVR) Module

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### Variants

Huawei  Cisco

### Details

## QSFP to SFP / SFP+ Converter (CVR) Module – QSFP+ to SFP+ Adapter

The **QSFP to SFP / SFP+ Converter (CVR) Module** is designed to convert a **QSFP+ port into an SFP+ port**, allowing flexible connectivity between **40G QSFP+ network equipment and lower-speed 10G SFP+ optical modules or DAC/AOC cables**.

This adapter provides a cost-effective and flexible migration path for **data centers, enterprise networks, telecom systems, cloud infrastructure, and storage networks** by enabling the use of standard SFP+ modules in QSFP+ switch ports.

### Key Features

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| Converts QSFP+ port to SFP+ port |
| Supports 10Gbps Ethernet transmission |
| Supports 2.5Gbps and 5Gbps data rates |
| Compatible with QSFP+ MSA and SFP+ MSA standards |
| Supports SFP+ optical modules and DAC/AOC cables |
| All-metal housing for superior EMI protection |
| Low insertion loss and low crosstalk design |

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| Secure latching mechanism |
| Hot-pluggable operation |
| RoHS compliant |

## Applications

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| Data Center Networking |
| Enterprise Backbone Networks |
| Cloud Computing Infrastructure |
| Networked Storage Systems |
| Routers and Switches |
| InfiniBand Networks |
| 10G Migration from 40G QSFP Platforms |

## Technical Specifications

| Parameter | Specification |
|---|---|
| **Product Type** | QSFP+ to SFP+ Converter (CVR) Module |
| **Part Number** | YV-CVR-QSFP-SFP+ |
| **Form Factor** | QSFP+ to SFP+ |
| **Supported Data Rates** | 10Gbps / 5Gbps / 2.5Gbps |
| **Channel Support** | 1 Independent Duplex Channel |
| **Electrical Interface** | 100 Ohm Differential Impedance |

| Parameter | Specification |
|---|---|
| **Power Supply** | 3.3V |
| **Operating Temperature** | -20°C to +85°C |
| **Storage Temperature** | -40°C to +125°C |
| **Humidity** | Up to 85% Non-condensing |
| **Standards Compliance** | QSFP+ MSA SFF-8436 / SFP+ MSA SFF-8431 |
| **Dimensions** | 13.5 × 18.4 × 78 mm |
| **Weight** | Typically 100g |
| **Compliance** | RoHS Compliant |

## Supported SFP / SFP+ Modules

| Item | Product | Description |
|---|---|---|
| 1 | SFP-10G-SR | 10G Multimode Fiber Module |
| 2 | SFP-10G-LR | 10G Singlemode Fiber Module |
| 3 | SFP-10G-ER | 10G Long Distance Module |
| 4 | SFP-10G-ZR | DWDM 10G SFP+ Module |
| 5 | 10G DAC Cable | SFP+ Copper Cable |
| 6 | 10G AOC Cable | SFP+ Active Optical Cable |

**Note:** This QSFP to SFP+ converter allows flexible deployment of 10G SFP+ optics in 40G QSFP+ switch ports for smooth and cost-effective network migration.

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