

## Exported carrier-grade router OSFP

### Overview

OSFP (Octal Small Form-factor Pluggable) is the high-density, hot-pluggable connector for 400G and 800G Ethernet. It uses 8 lanes at 50G PAM4 (400G) or 100G PAM4 (800G) with a 60-pin edge connector. EXTREMEPORT™ OSFP CONNECTOR AND CAGE SYSTEMS SUPPORTING 56G, 112G & 224G Amphenol's ExtremePort™ OSFP connector and cage family delivers a scalable, high-performance interconnect platform designed for next-generation data centers, high-density switch/router systems, and high-speed serial. The Cisco® OSFP 800G transceiver modules provide 800 Gigabit Ethernet (GE), 2x 400GE, 4x 200GE, and 8x 100GE connectivity options, complying with the Octal Small Form Factor Pluggable (OSFP) MSA for pluggable transceivers. 6T, enabling data center architectures to scale with evolving bandwidth and performance requirements. Designed to support 28G NRZ, 56G PAM4, 112G PAM4, and 224G PAM4. Arista's 400G platforms allow data centers and high-performance computing environments to address growing needs for higher bandwidth at lower cost and power per gigabit. Migrating from 100G to 400G systems increases the bandwidth. This specification defines the electrical connectors, electrical signals and power

supplies, mechanical and thermal requirements of the OSFP Module, connector and cage systems. The OSFP Management interface is described in a separate document, Common Management Interface Specification for 8/16X. The Octal Small Form Factor Pluggable (OSFP) Connector System provides up to 224Gbps PAM-4 per lane, single- or dual-port, 8- or 16-lane connectivity. These input/output (I/O) solutions support aggregate data rates up to 1.

## Exported carrier-grade router OSFP

	<p>An OSFP-RHS cage has a lower height than an OSFP cage and makes use of a riding heat sink for cooling. The forward stop feature in an OSFP-RHS cage is shifted compared with an OSFP cage to ...</p>
	<p>Learn how OSFP (Octal Small Form Factor Pluggable) enables scalable 400G and 800G Ethernet connectivity with superior thermal design, power efficiency, and compatibility.</p>
	<p>Explore 400G OSFP Ethernet optical transceivers for modern data centers, AI and HPC networks. Learn OSFP advantages, use cases, and ...</p>
	<p>OSFP connectors are slightly larger than QSFP-DD connectors but offer increased thermal performance and signal integrity at high data rates. The OSFP system supports higher-power modules and is ...</p>
	<p>The Cisco ® OSFP 800G transceiver modules provide 800 Gigabit Ethernet (GE), 2x 400GE, 4x 200GE, and 8x 100GE connectivity options, complying with the Octal Small Form Factor ...</p>

	<p>By utilizing integrated thermal heatsink technology in the plug, OSFP products provide superior thermal performance and the signal integrity needed to support 400G data rates.</p>
	<p>Explore 400G OSFP Ethernet optical transceivers for modern data centers, AI and HPC networks. Learn OSFP advantages, use cases, and NADDOD's 400G OSFP solutions for high ...</p>
	<p>OSFP (Octal Small Form-factor Pluggable) is the high-density, hot-pluggable connector for 400G and 800G Ethernet. It uses 8 lanes at 50G PAM4 (400G) or 100G PAM4 (800G) with a 60 ...</p>
	<p>Amphenol's OSFP base series supports high-speed transmission with 60 contacts per port, eight high-speed channels, and a ground-supported SI structure. Optimized for 1U systems, it ...</p>
	<p>Arista platforms support both the OSFP and the QSFP-DD form factors – in other words, Arista will provide both OSFP and QSFP-DD compatible hardware. Both form factors allow for high density 36x ...</p>
	<p>Combined with strong electrical performance and broad system compatibility, TE OSFP connectors and cable assemblies deliver a balanced solution for today's high-density, high-power network ...</p>

## Contact Us

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

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

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

Phone: +27 63 874 2095

Address: 15 Innovation Drive, Technopark, Stellenbosch, 7600, South Africa

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

