

XKOF

OSFP Finned to Flat converter



APPLICATIONS

- Data Rate is 800G
- Application for Data Center
- Form Factor — OSFP

DESCRIPTION

XenOpt Extender delivers advanced 800G immersion liquid cooling extension solutions, purpose-built to support immersion-cooled environments while enabling the use of standard optical transceivers and active optical cables. By eliminating the need for specialized immersion-ready optics, it significantly reduces deployment costs while maintaining high performance. The extension cable length can be customized up to 0.2 meters, offering flexibility for short-reach integration.

In addition, the extender enables seamless operation of OSFP-RHS Flat modules within OSFP-IHS Finned ports, effectively bridging compatibility gaps between different thermal interface designs. This capability makes it an ideal solution for laboratories, validation environments, and production testing setups where existing infrastructure is limited to OSFP-IHS Finned ports.

By removing the need for dedicated hardware modifications or multiple module variants, XenOpt Extender enhances system flexibility and streamlines operations. It is especially valuable for engineers and technicians performing validation or characterization of OSFP-RHS Flat modules using current test equipment. For example, platforms such as EXFO test platform—which typically provide only OSFP-IHS Finned ports—can be easily adapted to support OSFP-RHS Flat modules.

Designed for seamless integration, reliability, and consistent high-speed performance, XenOpt Extender is a smart, cost-effective solution for accelerating development cycles, simplifying testing processes, and optimizing next-generation optical deployments.

FEATURES

- Hot-pluggable copper cable extenders designed with OSFP cage compatibility enables seamless integration into high-density 800G systems. These extenders support both 800G pluggable optical transceivers and active optical cables, allowing flexible deployment in advanced networking and data center environments, including immersion liquid cooling setups.
- The extension cable length can be customized up to 0.2 meters, providing short-reach adaptability without compromising signal integrity. Engineered for efficiency, the solution delivers near-zero power dissipation, helping to minimize thermal impact and improve overall system performance.
- The devices operate reliably within a case temperature range of 0°C to 70°C and are fully compliant with RoHS standards, ensuring environmentally friendly, lead-free manufacturing.

ORDERING INFORMATION

Products	Form Factor	Data Rate	AWG	Dis	Temp
XKOF	OSFP-IHS (male) Fined to OSFP-RHS (female) Flat	800G	30AWG	20cm	0~70°C

Notes

For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice. XenOpt does not guarantee errorless or outdated information.

COMPANY INFORMATION

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