



# kramer

## OSP-SM10S

Optical SFP+ Transceiver Pair over 10G  
1270/1330nm Simplex SM Fiber

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OSP-SM10S is a pair of fiber optic transceivers for 1270/1330nm single-mode signals. These standard pluggable SFP+ optical modules have one LC connector for reception and transmission of signals over one strand of single-mode optical fiber

## FEATURES

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**Certified Transceiver** - Kramer certified, hot-pluggable, simplex SFP+ optical modules, for high-quality transmission of 10.2Gbps signal over single-mode fiber cable, connecting 1 single-mode fiber strand via LC PC/UPC connector



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## TECHNICAL SPECIFICATIONS

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General	<p>Optical Line: Single-mode G.652D compliant OFNR fiber</p> <p>Nominal Peak Wavelength: Module A: 1270nm transmitter /1330nm receiver Module B: 1330nm transmitter /1270nm receiver</p> <p>Max. Data Rate: 10.2Gbps</p> <p>Transmitter Type: DFB</p> <p>Optical Typical Transmission Power: -5dBm</p> <p>Optical Typical Maximum Receiver Sensitivity: -14dBm</p> <p>Optical Typical Maximum Loss Budget: 9dB</p>
Ports	<p>1 Optical: On single-strand LC-connected single-mode fiber</p> <p>Note: Do not use with LC(APC) cable connectors</p>
Extension Line	<p>Max. Reach: 20Km (12.4 miles) reach over OS1 SM fiber</p>
Regulatory Compliance (Standards Compliance)	<p>Quality: IEEE 802.3ae, SFF-8431, SFF-8472</p> <p>Laser Safety: Laser Class I</p> <p>Safety: FDA CDRH 21 CFR 1040 and Laser Notice No. 50, UL and CUL EN60950-2:2007, RoHS6, EMC EN 55022 and EN 55024, IEC 62368-1 and IEC 60825-1 and -2</p>
Power	<p>Consumption: 1W</p>
Environmental Conditions	<p>Operating Temperature: 0° to 70°C</p> <p>Storage Temperature: -40° to 85°C</p> <p>Humidity: 5% to 95% RH</p>
Product Dimensions	<p>1.33cm x 5.70cm x 0.85cm (0.52" x 2.24" x 0.33" ) W, D, H</p>
Product Weight	<p>0.1kg (0.1lbs) approx</p>
Shipping Dimensions	<p>12.60cm x 8.40cm x 4.10cm (4.96" x 3.31" x 1.61" ) W, D, H</p>
Shipping Weight	<p>0.1kg (0.2lbs) approx</p>