



SFP1-SMa-S/SFP1-SMb-S

Optical single-mode 1310nm and 1550nm
1G SFP transceivers



SFP1-SMa-S and SFP1-SMb-S are complementary fiber optic transceivers using 1310nm and 1550nm single-mode signals. These standard pluggable SFP optical modules have two LC connectors for reception and transmission over two strands of single-mode optical fiber

FEATURES

Certified Transceivers - Kramer certified, hot-pluggable SFP optical modules, for high-quality transmission of 1.25Gbps signal over single-mode optical fiber cables, connecting 2 single-mode fiber strands via LC AP/UPC connectors



TECHNICAL SPECIFICATIONS

OPTICAL LINE:	Single-mode G.652D.1 compliant OFNR fiber
PORTS:	2-strand simplex fiber optic LC (PC/UPC) connector Note: Do not use with LC (APC) cable connectors
MAX. REACH:	10km (6.25 miles) over OM1 SM fiber
NOMINAL PEAK WAVELENGTH:	SFP1-SMa-S Transmitter: 1310nm and Receiver: 1550nm SFP1-SMb-S Transmitter: 1550nm and Receiver: 1310nm
MAX. DATA RATE:	1.25Gbps
OPTICAL TYPICAL TRANSMISSION POWER:	-9dBm
OPTICAL TYPICAL MAXIMUM RECEIVER SENSITIVITY:	-21dBm
OPTICAL TYPICAL MAXIMUM LOSS BUDGET:	18dB
STANDARDS COMPLIANCE:	IEEE 802.3ah-2004 SFF-8472
LASER SAFETY COMPLIANCE:	Laser Class 1 FDA IEC60825-1
REGULATORY CERTIFICATIONS:	TUV R50135086 UL E317337 EMC CE AE 50285865 0001 FCC WTF14F0514417E
OPERATING TEMPERATURE:	0° to 70°C
STORAGE TEMPERATURE:	-40° to 85°C
HUMIDITY:	0% to 95% RH

