

STRIDE™ INDUSTRIAL ETHERNET FIBER TRANSCEIVERS

FAST ETHERNET



Description:

STRIDE 100Mb Small Form Factor Pluggable (SFP) transceiver modules (Transmit/Receive). Hot Swappable. 1310nm wavelength. Data transmission up to 4km multimode fiber (SFP-4K-FMF) or 30km singlemode fiber (SFP-30K-FSF). LC duplex receptacle, SFP Multi-Source Agreement compliant.



NOTE: PORT SPEED SETTINGS FOR THE STRIDE SWITCH MUST BE MANUALLY SET TO 100 MBPS.

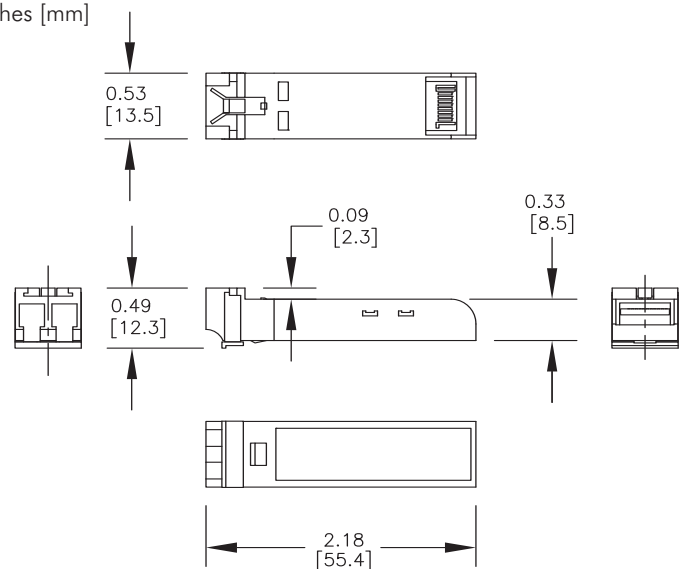
General Specifications	
Connector Type	Type LC connector with bail latch
Operating Temperature range	-40 to +85 °C (-40 to +185 °F)
Storage temperature range	-40 to +85 °C (-40 to +185 °F)
Humidity (non-condensing)	5 to 95% RH
Link Speed	100 Mbps
Laser Type	FP laser diode (Class 1 laser safety standard IEC 60825 compliant)
Media	SFP-4K-FMF Multi-mode Fiber
	SFP-30K-FSF Single-mode Fiber
Fiber	SFP-4K-FMF 62.5 / 125 μm
	SFP-30K-FSF 9 / 125 μm
Code	SFP-4K-FMF FX5
	SFP-30K-FSF 100LX
Distance	SFP-4K-FMF 4km
	SFP-30K-FSF 30 km
Compliances	SFP-4K-FMF 125Mbps IEEE802.3u 100BASE-FX compliant 125Mbps FDDI ISO/IEC 9314-1 compliant
	SFP-30K-FSF 125Mbps IEEE802.3ah 100BASE-LX10 compliant 155Mbps ITU-T G957 STM S-1.1/L-1.1 compliant 155Mbps SONET OC-3 IR-1/LR-1 compliant
Inputs / Outputs	AC-coupled differential inputs and outputs

Transmitter Optical characteristics				
Parameter (unit)		Minimum	Typical	Maximum
Output optical power (dBm)	SFP-4K-FMF	-9		0
	SFP-30K-FSF	-15		-8
Extinction Ratio (dB)	SFP-4K-FMF	8.2		
	SFP-30K-FSF			
Center Wavelength (nm)	SFP-4K-FMF	1261	1310	1360
	SFP-30K-FSF			
Spectral width - RMS (nm)	SFP-4K-FMF			7
	SFP-30K-FSF			4
Rise / Fall Time - 10% - 90% (ns)	SFP-4K-FMF			2
	SFP-30K-FSF			

Receiver Optical characteristics			
Parameter (unit)		Minimum	Maximum
Sensitivity (dBm)	SFP-4K-FMF		-30
	SFP-30K-FSF		-34
Operating Wavelength (nm)	SFP-4K-FMF	1260	1620
	SFP-30K-FSF		
Loss of Signal - Deasserted (dBm)	SFP-4K-FMF		-30
	SFP-30K-FSF		-35
Loss of Signal - Asserted (dBm)	SFP-4K-FMF	-45	
	SFP-30K-FSF		
Loss of Signal - Hysteresis (dB)	SFP-4K-FMF	0.5	
	SFP-30K-FSF		

Dimensions

Inches [mm]



Safety Standards:



Additional Help and Support

• For additional technical support and questions, call our Technical Support team @ 770-844-4200.

