

TRANSCEIVER

SFP-SM5524-L4XX

1.25GBPS SFP OPTICAL TRANSCEIVER

40KM REACH



The SFP transceivers are high performance, cost effective modules supporting dual data-rate of 1.25Gbps/1.0625Gbps and 80km transmission distance with SMF. The transceiver consists of three sections: a DFB laser transmitter, a PIN photodiode integrated with a trans-impedance preamplifier (TIA) and MCU control unit. All modules satisfy class I laser safety requirements. The transceivers are compatible with SFP Multi-Source Agreement (MSA) and SFF-8472. For further information, please refer to SFP MSA.

APPLICATIONS

- » Gigabit Ethernet
- » Fiber Channel
- » Switch to Switch interface
- » Switched backplane applications
- » Router/Server interface
- » Other optical transmission systems

FEATURES

- » Dual data-rate of 1.25Gbps/1.063Gbps operation
- » 1550nm DFB laser and PIN photodetector for 40km transmission
- » Compliant with SFP MSA and SFF-8472 with duplex LC receptacle
- » Digital Diagnostic Monitoring:
- » Internal Calibration or External Calibration
- » Compatible with SONET OC-24-LR
- » Compatible with RoHS
- » +3.3V single power supply
- » Operating case temperature:
- » Standard : 0 to +70°C
- » Industrial : -40 to +85°C

SFP-MM8524-S5XX

1.25GBPS SFP OPTICAL TRANSCEIVER

550M REACH



The SFP transceivers are high performance, cost effective modules supporting data-rate of 1.25Gbps and 550m transmission distance with MMF. The transceiver consists of three sections: a VCSEL laser transmitter, a PIN photodiode integrated with a trans-impedance preamplifier (TIA) and MCU control unit. All modules satisfy class I laser safety requirements. The transceivers are compatible with SFP Multi-Source Agreement (MSA) and SFF-8472. For further information, please refer to SFP MSA.

APPLICATIONS

- » Gigabit Ethernet
- » Fiber Channel
- » Switch to Switch interface
- » Switched backplane applications
- » Router/Server interface
- » Other optical transmission systems

FEATURES

- » Data-rate of 1.25Gbps operation
- » 850nm VCSEL laser and PIN photodetector
- » Compliant with SFP MSA and SFF-8472 with duplex LC receptacle
- » Digital Diagnostic Monitoring:
- » Internal Calibration or External Calibration
- » 500m transmission with 50/125µm MMF
- » 300m transmission with 62.5/125µm MMF
- » Compatible with RoHS
- » +3.3V single power supply
- » Operating case temperature:
- » Standard: 0 to +70°C
- » Industrial: -40 to +85°C

Part Number	Product Description	Part Number	Product Description
F0-SFP-SM5524-L4NC	1550nm, 1.25Gbps, LC, 40km, 0°C~+70°C, without DDM	F0-SFP-MM8524-S5NC	850nm, 1.25Gbps, 550m, 0°C ~ +70°C, Without DDM
F0-SFP-SM5524-L4NT	1550nm, 1.25Gbps, LC, 40km, -40°C~+85°C, without DDM	F0-SFP-MM8524-S5NT	850nm, 1.25Gbps, 550m, -40°C ~ +85°C, Without DDM
F0-SFP-SM5524-L4DC	1550nm, 1.25Gbps, LC, 40km, 0°C~+70°C, with DDM	F0-SFP-MM8524-S5DC	850nm, 1.25Gbps, 550m, 0°C ~ +70°C, With DDM
F0-SFP-SM5524-L4DT	1550nm, 1.25Gbps, LC, 40km, -40°C~+85°C, with DDM	F0-SFP-MM8524-S5DT	850nm, 1.25Gbps, 550m, -40°C ~ +85°C, With DDM

