

FIBER OPTIC TRANSCEIVER - SFP MODULE

Dextan Systems produces 1 x 9/ SFF/ SFP/ SFP Copper/ CSFP/ GBIC/ GBIC Copper/ SFP+/ XFP/ Xenpak/ X2/ QSFP+/ CFP; Video and PON transceivers; Dual fiber/ Single fiber (WDM) / CWDM/ DWDM; 850nm/ 1310nm/ 1490nm/ 1550nm/ 1270 - 1610nm; da-ta-rate of 155M/ 1.25G/ 2.125G/ 2.5G/ 3G/ 4G/ 6G/ 8G/ 10G/ 40G/ 100Gbps; transmitting distance from 150m up to 200km. Dextan Systems supplies a broad range of high performance fiber optical components for Local Area Networks (LANs), Wide Area Networks (WANs), Storage Area Networks (SANs), Metropolitan Area Networks (MANs) and Access Networks (ANs).

Dextan Systems fiber optic transceivers include 100 Mbps optical transceiver for Fast Ethernet, 155 Mbps optical transceiver for SDH STM-1/SONET OC-3/ATM, 1.0625 Gbps, 2.125Gbps, 4.25Gbps, and 10Gbps optical transceiver for Fiber Channel, 1.25 Gbps, 2.5Gbps, 4.25Gbps, and 10Gbps optical transceiver for Gigabit Ethernet. There are hundreds of fiber optic transceivers available from 100Mbps up to 40Gbps data rate.

Besides, Dextan Systems provides not only the classical 1x9 footprint duplex package but also advanced packages such as SFF (small form-factor) fiber optic transceiver, SFP (small form-factor pluggable) transceiver module, GBIC (Gigabit Interface Converter) fiber transceiver, H3C, Linksys, Huawei, Alcatel-Lucent, Foundry, Nortel, Force10 etc. BIDI (single fiber bi-directional) fiber optic transceiver, BIDI-SFP transceiver module, and BIDI-GBIC transceiver, SFP+ transceiver module, XFP optical transceiver, Xenpak optical transceiver, X2 transceiver module. In addition, optical transceivers with Digital Diagnostic Function are also available.



SFP + Transceiver

- ▶ Material: Metal
- ▶ Packing: 200pcs, 400pcs, 600pcs (accept sample order)
- ▶ Wavelength: 850nm/1310nm/1550nm
- ▶ Fiber Types: Single Mode (SM), Multimode (MM)
- ▶ Fiber Connector Type: LC
- ▶ Transmission Mode: Duplex/Simplex
- ▶ Transmission Distance: 150m, 220m, 300m, 2km, 10km, 20km, 40km, 80km
- ▶ Laser Type: 850nm/1550nm EML/VCSEL transmitter and APDreceiver; 1310nm DFB transmitter, PIN photo-detector
- ▶ Operating Case Temperature: Standard: 0~70°C; Industrial: -40~85°C
- ▶ Compatible Brands: Cisco, Extreme, Juniper, HP, H3C, Linksys, Huawei, Alcatel-Lucent, Foundry, Nortel, Force10 ...

Other Information of SFP + Transceiver

- ▶ Operating Humidity: 0%~90% RH no condensing
- ▶ Storage Humidity: 5%~90% RH no condensing
- ▶ Saturated Optical Power: -3dBm
- ▶ Average Output Power: -20~ -14dBm
- ▶ Receiver Sensitivity: -24~ -11.1dBm
- ▶ Supply Current: 420~610mA
- ▶ Power Supply: +3.3V single power supply
- ▶ Power Consumption: <2W
- ▶ Extinction Ratio: 3.5~6dB
- ▶ Storage Temperature: -40~85°C
- ▶ Number of Times of Hot-Pluggable: >200

Ordering Information

Part No	Description
DS - GC - T	DS, SFP 1000BASE - T SFP
DS - LH - SM	DS, SFP 1000BASE - LX/LH SFP transceiver module MMF/SMF 1310nm DOM
DS - SX - MM	DS, SFP 1000BASE - SX SFP transceiver module
DS - 10GB - SR	DS, SFP 10GBASE - SR XFP Module 300m
DS - 10GB - SRA	DS, SFP 10GBASE - SR X2 Module
DS - 10GB - LRA	DS, SFP 10GBASE - LR X2 Module

Performance Features

- ▶ Compliant with SFF-8431, SFF-8432 and IEE802.3ae
- ▶ Diagnostic Performance Monitoring of module temperature, supply Voltages, laser bias current, transmit optical power, receive optical power
- ▶ RoHS compliant and lead free
- ▶ Low power consumption
- ▶ All-metal housing for superior EMI performance
- ▶ Advanced firmware allow customer encryption information to be stored in transceiver
- ▶ Cost effective SFP+ solution, enables higher port densities and greater bandwidth.

Application

- ▶ GIG, 10G Ethernet, 10G link network, Fibre Channel, CPRI and OBSAI

Quality Certification:

- ▶ Good Anti-electromagnetic interference (EMI)
- ▶ Good Electromagnetic compatibility (EMC) which is in accordance with FCC Part15.