

▶▶ SFP Transceiver

SFP can be regarded as the upgrade version GBIC, SFP is short for Small Form-factor Pluggables, unlike GBIC with SC fiber optic interfaces is with LC interface and the main body size of SFP is only about half of GBIC, which makes SFP space saving. Signal transmitting rate of these modules range from 100Mbps up to 4Gbps or more, working distance of these SFP transceiver modules can be from 500 meters to 100 kilo meters, working wavelength of different SFP modules are typically 850nm, 1310nm and 1550nm, there are also CWDM type SFP transceivers available.

SFP is also hot pluggable, this make it easy to change and easy for maintenance compared with traditional modules. The users can replace a single SFP module during the process instead of replace the whole board with many modules on it.

Features:

- Compliant with IUT-T G.957 and G.958
- Compliant with Industry Standard RFT Electrical Connector and Cage
- Compliant with SFP MSA
- 100Ω Differential AC coupled PECL Outputs
- Single 3.3V Power supply and TTL Logic Interface
- Duplex LC Connector
- Hot Pluggable
- Low EMI and Low power dissipation
- Class 1 Laser Product Compliant with the Requirements of IEC 60825-1 and IEC 60825-2ComHot-pluggable SFP footprint
- Up to 4.25Gb/s bi-directional data links
- Operating Temperature Range: -20C~85C

Applications:

- Gigabit Ethernet
- 1x/2x fiber channel
- Switch to Switch interface
- Switched backplane application
- Router / server interface
- Other optical transmsion systems



Order Information:

| P/N | Description | Power Supply | Fiber Interface |
|---------------|--|-----------------------|-----------------|
| FT-MC111M5 | 10/100/1000Base-TX to 1000FX converter, Multimode 850nm 550M | External power supply | SC/ST |
| FT-MC111S20 | 10/100/1000Base-TX to 1000FX converter, SM 1310/1550nm 20KM | External power supply | SC/ST |
| FT-MC111S-S20 | 10/100/1000Base-TX to SFP module, SM 1310/1550nm 20KM | External power supply | LC |
| FT-MC1000-S20 | 1000Base-TX to 1000SX converter, Multimode 1300nm SC, 2KM | External power supply | SC/ST |
| FT-MC1000-S20 | 1000Base-TX to 1000 LX converter, SM 1310/1550nm 20KM | External power supply | SC/ST |
| FT-SFPSX-MM | 1000Base-SX SFP Module, MM 850nm 550Meter, 1.25Gps | External power supply | LC |
| FT-SFPLH-SM | 1000Base-LH SFP Module, SM 1310 20KM, 1.25Gps | | LC |
| FT-SFPEX-SM | 1000Base-LX SFP Module, SM 1310 40KM, 1.25Gps | | LC |
| FT-SFPSRC-MM | 10G SFP SFP Module, MM 850nm 0.3 KM | | LC |
| FT-SFPLRC-SM | 10G SFP SFP Module, MM 1310nm 10 KM | | LC |