



Transceivers are NOT Extreme Networks OEM brand modules.

EXTREME NETWORKS COMPATIBLE TRANSCEIVERS

by Total Cable Solutions



Features

- Hot-pluggable-uses single 3.3 VDC power
- Enhanced formats for long haul or multiplexing applications
 - > 1550-nm (ZX)
 - > CWDM (Course Wavelength Division Multiplexing)
 - > DWDM (Dense Wavelength Division Multiplexing)
 - > BiDi (bi-directional - transmit and receive multiplexed on a single fiber)

100% Extreme compatible transceivers by Total Cable Solutions are available in the following form factors: SFP, SFP+, XFP, X2, XENPAK, QSFP+, SFP Cables, and QSFP+ cables. TCS' EXTREME compatible transceiver modules are also available in different models such as BiDi, CWDM, DWDM, from 100Mbps to 40Gbps. TCS' Extreme compatible transceivers are fully compliant with Ethernet, Fiber Channel, and SONET/SDH standards.

Specifications

- INF 8074i-SFP MSA (Multi-Source Agreement) compliant modules
- Complies with IEEE 802.3 (1000Base or "Gigabit Ethernet")
- Connectors: LC for fiber; RJ-45 for unshielded twisted pair (copper)
- Standard telecommunications wavelengths for fiber applications (SX and LX)
- Operating temperature range:
 - > Commercial temperature range (COM): 0 to 70°C (32 to 158°F)
 - > Extended temperature range (EXT): -5°C to 85°C (23 to 185°F)
 - > Industrial temperature range (IND): -40 to 85°C (-40 to 185°F)
 - > Storage temperature range: -40 to 85°C (-40 to 185°F)
- SFP modules typically consume up to 1W per SFP port

* See reverse for supported TRANSCEIVERS AND PROTOCOLS

Ordering Information

Standard Operating Temperature
-0°C to +70°C

1G

10G

40G

GBIC for GE

TCS-10018 GBIC 1000Base-T (RJ45/100m/---/ Category 5) Transceiver
TCS-10011 GBIC 1000Base-SX (SC/550m/850nm/Multi-Mode) Transceiver
TCS-10013 GBIC 1000Base-LX (SC/10Km/1310nm/Single-Mode) Transceiver
TCS-10017 GBIC 1000Base-ZX (SC/70Km/1550nm/Single-Mode) Transceiver
TCS-10019 GBIC 1000Base-ZX (SC/100Km/1550nm/Single-Mode) Transceiver

SFP for GE

TCS-10065 SFP 10/100/ 1000Base-T (RJ45/100m/---/ Category 5) Transceiver
TCS-10051 SFP 1000Base-SX (LC/550m/850nm/Multi-Mode) Transceiver
TCS-10051H SFP 1000Base-SX (LC/550m/850nm/Multi-Mode) Transceiver Industrial temp
TCS-10052 SFP 1000Base-LX (LC/10Km/1310nm/Single-Mode) Transceiver
TCS-10052H SFP 1000Base-LX (LC/10Km/1310nm/Single-Mode) Transceiver Industrial temp
TCS-10053 SFP 1000Base-ZX (LC/70Km/1550nm/Single-Mode)
TCS-10071 SFP 1000Base-SX (LC/550m/850nm/MM) 10pack
TCS-10071H SFP 1000Base-SX (LC/550m/850nm/MM) 10pack Industrial temp
TCS-10072 SFP 1000Base-LX (LC/10Km/1310nm/SM) 10pack
TCS-10072H SFP 1000Base-LX (LC/10Km/1310nm/SM) 10pack Industrial temp

SFP for FE

TCS-10067 100BASE FX mini-GBIC module Mini-GBIC, 100Base FX MMF SFP, Support for 100M SFP ports, (1310-nm, 125Mbps, 2km multimode transmission) LC connector
TCS-10066 100BASE LX10 mini-GBIC Mini-GBIC, 100Base LX10 SFP, Support for 100M SFP ports, 125Mbps with transmission distance of 10km, SMF, LC connector
TCS-10064 LX100 mini-GBIC module Mini-GBIC, SFP, Extra long distance SMF 100 Km/30 dB budget, LC connector
TCS-10060 100 FX/1000LX mini-GBIC Mini-GBIC, SFP, dual-speed 100 FX/1000LX, LC Connector (Requires MCP and 6dB Attenuator for 100FX-MMF operation; not supported on combo ports for Summit X450/X450a/X450e/X250e/400/300/200/)
TCS-10063 100FX mini-GBIC module Mini-GBIC, SFP, 100FX MMF, Support for 1000M SFP ports, LC connector (not supported on combo ports for Summit X450/X450a/X450e/X250e/400/300/200/) See optics tab for platform support

BIDI (WDM) SFP

TCS-10056 1000BASE-BX mini-GBIC BX-D Mini-GBIC, SFP, 1000BASE-BX-D, Support for 1000M SFP ports, SMF (1490-nm TX/1310-nm RX)
TCS-10057 1000BASE-BX mini-GBIC BX-U Mini-GBIC, SFP, 1000BASE-BX-U, Support for 1000M SFP ports, SMF (1310-nm TX/1490-nm RX)
TCS-10058 100BASE-BX mini-GBIC BX-D Mini-GBIC, SFP, 1000BASE-BX-D, Support for 100 SFP ports, SMF (1550-nm TX/1310-nm RX)
TCS-10059 100BASE-BX mini-GBIC BX-U Mini-GBIC, SFP, 1000BASE-BX-U, Support for 100M SFP ports, SMF (1310-nm TX/1550-nm RX)

10G XENPAK

TCS-10110 10 Gigabit Ethernet XENPAK Transceiver, SR, 850 nm, MMF, 300 m range
TCS-10111 10 Gigabit Ethernet XENPAK Transceiver, LR, 1310 nm, SMF, 10 Km range
TCS-10112 10 Gigabit Ethernet XENPAK Transceiver, ER, 1550 nm, SMF, 40 Km range
TCS-10113 10GBASE-ZR XENPAK 1550nm 80km Optical Transceiver
TCS-10114 LX4 XENPAK 10 Gigabit Ethernet XENPAK, 1310nm WWDM, MMF 300m and SMF 10km, SC
TCS-10116E LW XENPAK WAN PHY XENPAK, 10GBASE-LW, 1310nm, up to 10 KM over SMF, SC, RoHS-5

10G XFP

TCS-10121 10GBASE-SR XFP, LC Connector MMF 850nm 300m
TCS-10122 10GBASE-LR XFP, LC Connector SMF 1310nm 10km
TCS-10124 10GBASE-ER XFP, LC Connector, SMF 1550nm 40km
TCS-10125 10GBASE-ZR XFP, LC Connector, SMF 1550nm 80km
TCS-10220 Tunable DWDM XFP Transceiver 10 Gigabit Ethernet XFP Tunable DWDM module, C-band, SMF 80km, LC

10G SFP+

TCS-10301 10GBASE-SR SFP+ 850nm 300m Optical Transceiver
TCS-10302 10GBASE-LR SFP+ 1310nm 10km Optical Transceiver
TCS-10303 10GBASE-LRM SFP+ 1310nm 220m Optical Transceiver
TCS-10309 10GBASE-ER SFP+ 1550nm 40km Optical Transceiver

10G SFP+ Cable Assembly

TCS-10304 Extreme Networks 1M SFP+ Twinaxial Cable
TCS-10305 Extreme Networks 3M SFP+ Twinaxial Cable
TCS-10306 Extreme Networks 5M SFP+ Twinaxial Cable
TCS-10307 Extreme Networks 10M SFP+ Twinaxial Cable

40G QSFP+ Transceivers

TCS-10319 40G QSFP+ SR4 Transceiver
TCS-10320 40G QSFP+ LR4 Transceiver

40G QSFP+ QSFP+ Direct-Attach Copper

TCS-10311 0.5M QSFP+ to QSFP+ Twinaxial Cable
TCS-10312 1M QSFP+ to QSFP+ Twinaxial Cable
TCS-10313 3M QSFP+ to QSFP+ Twinaxial Cable
TCS-10323 5M QSFP+ to QSFP+ Twinaxial Cable Passive

40G QSFP+ to 45FP

TCS-10321 3M QSFP+ to 4 x SFP+ Breakout Cable
TCS-10322 5M QSFP+ to 4 x SFP+ Breakout Cable

40G QSFP+ AOC

TCS-10315 10M 40-Gigabit Ethernet QSFP+ Active Optical Cable
TCS-10316 20M 40-Gigabit Ethernet QSFP+ Active Optical Cable
TCS-10318 100M 40-Gigabit Ethernet QSFP+ Active Optical Cable