



A chi vuoi connetterti oggi?
OPTICAL INFRASTRUCTURE PRODUCT

N° 1 Compatible Transceiver Modules In The World



SFP

CAMPI DI APPLICAZIONE:

- DATACOM Application using fast Ethernet, Gigabit Ethernet, 1×/2×/4× fiber channel
- TELECOM OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16

CARATTERISTICHE:

- DATA RATE 155Mb/s - 4.25Gb/s
- WAVELENGTH 850/1310/1550 nm
- DISTANCE RANGE 550M / 150KM
- MEDIA TYPE MMF / SMF
- TEMPERATURE STANDARD VERSION 0°C to +70°C - INDUSTRIAL VERSION -40°C to +85°C
- CONNECTOR LC
- DDM SI



BRAND COMPATIBILI

3COM, ADTRAN, ALCATEL, ALLIED TELESIS, ALLNET, ARISTA, ARUBA, AVAYA, BDCOM, BROCADE, CISCO, D-LINK, DELL, EXTREME NETWORKS, EMULEX, ENTERASYS, ERICSSON, FEIXUN, FIBER LAN, FINISAR, FORCE 10, FORTINET, FOUNDRY, H3C, HP, HUAWEI, IBM, IMC NETWORKS, INTEL, JUNIPER, LINKSYS, MARCONI, MCAFFEE, MERAKI, MOXA, NETGEAR, NEOPHOTONICS, NORTEL, OPLINK, OPNEXT, PLANET, REDBACK, RIVERSTONE NETWORKS, SMC, SOURCE PHOTONICS, SIXNET, SKYLANE, SUN, RIVERSTONE NETWORKS, SMC, TELCO, TRENDNET, TRANSITION NETWORKS, ZYXEL, ZTE.

SFP+

CAMPI DI APPLICAZIONE:

- DATACOM Application using 10 Gigabit Ethernet and 2×/4×/8× fiber channel

CARATTERISTICHE:

- DATA RATE 8.5G / 10Gb/s
- WAVELENGTH 850/1310/1550 nm
- DISTANCE RANGE 550M / 150KM
- MEDIA TYPE MMF / SMF
- TEMPERATURE STANDARD VERSION 0°C to +70°C - INDUSTRIAL VERSION -40°C to +85°C
- CONNECTOR LC
- DDM SI



BRAND COMPATIBILI

ALCATEL, BROCADE, CISCO, CHECK POINT, DELTA, EXTREME NETWORKS, ENTERASYS, ERICSSON, FINISAR, FORCE 10, FORTINET, FUJITSU, H3C, HP, IBM, IMC NETWORKS, HUAWEI, INTEL, JUNIPER, MELANOX, MRV, NETGEAR, OPNEXT, QLOGIC, SOURCE PHOTONICS, TRANSITION NETWORKS, ZYXEL, ZTE.

XFP

CAMPI DI APPLICAZIONE:

- DATACOM: Application using 10 Gigabit Ethernet and 10× fiber channel
- TELECOM: Application using OC-192/STM-64

CARATTERISTICHE:

- DATA RATE 10Gb/s
- WAVELENGTH 850/1310/1550 nm
- DISTANCE RANGE FINO A 120 KM
- MEDIA TYPE MMF / SMF
- TEMPERATURE 0°C to +70°C / -5°C to +70°C
- CONNECTOR LC
- DDM SI

BRAND COMPATIBILI

3COM, ADTRAN, ALCATEL, ALLIED TELESIS, ALLNET, ARUBA, BROCADE, CISCO, D-LINK, EXTREME NETWORKS, ENTERASYS, ERICSSON, FINISAR, FORCE 10, FORTINET, FOUNDRY, H3G, HP, HUAWEI, IBM, INTEL, JUNIPER, MARCONI, NETGEAR, NEOPHOTONICS, OPLINK, REDBACK, SMC, SOURCE PHOTONICS, SKYLANE, SUN, TELCO, ZTE.



X2

CAMPI DI APPLICAZIONE:

- DATACOM : Application using 10 Gigabit Ethernet and 10× fiber channel

CARATTERISTICHE:

- DATA RATE 10Gb/s
- WAVELENGTH 850/1310/1550 nm
- DISTANCE RANGE FINO A 80 KM
- MEDIA TYPE MMF / SMF
- TEMPERATURE 0°C to +70°C
- CONNECTOR SC
- DDM SI

BRAND COMPATIBILI

ALCATEL, ALLIED TELESIS, CISCO, HP, EXTREME NETWORKS, FIBER LAN, FINISAR, FUJITSU, IMC NETWORKS, INTEL, JUNIPER, MRV, NORTEL, OPNEXT, SKYLANE, SOURCE PHOTONICS, SUN, TELCO, TRANSITION NETWORKS.



CFP

CAMPI DI APPLICAZIONE:

- DATACOM: Application using fast Ethernet, Gigabit Ethernet, 1x/2x/4x fiber channel
- TELECOM: Application using OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16

CARATTERISTICHE:

- DATA RATE 40Gb/s
- WAVELENGTH 1271 / 1331nm
- DISTANCE RANGE FINO A 150 KM
- MEDIA TYPE SMF
- TEMPERATURE 0°C to +70°C
- CONNECTOR LC
- DDM SI

BRAND COMPATIBILI

CISCO, BROCADE.



QSFP

CAMPI DI APPLICAZIONE:

- DATACOM: Application using 40Gb/s Ethernet
- TELECOM: Application using 40Gb/s Ethernet OTU3

CARATTERISTICHE:

- DATA RATE 40Gb/s
- WAVELENGTH 850/1310/1550 nm
- DISTANCE RANGE FINO A 40 KM
- MEDIA TYPE MMF / SMF
- TEMPERATURE 0°C to +70°C
- CONNECTOR LC
- DDM SI

CARATTERISTICHE:

Four-channel full-duplex transceiver module
Hot pluggable, MSA-compliant QSFP+ form factor
Maximum link length of 100M on OM3 MMF, 150M on OM4 MMF, and 10km on SMF
Multirate capability; supports 1.06Gb/s to 11.3Gb/s per channel

BRAND COMPATIBILI

CISCO, EXTREME NETWORKS, JUNIPER, IBM.



XENPAC

CAMPI DI APPLICAZIONE:

- DATACOM: Application using 10 Gigabit Ethernet

CARATTERISTICHE:

- DATA RATE 10Gb/s
- WAVELENGTH 850/1310/1550 nm
- DISTANCE RANGE FINO A 120 KM
- MEDIA TYPE MMF / SMF / CX4
- TEMPERATURE 0°C +70°C to -5°C +70°C
- CONNECTOR SC
- DDM SI

BRAND COMPATIBILI

3COM, ALCATEL, CISCO, EXTREME NETWORKS, ENTERASYS, FINISAR, FUJITSU, H3G, HUAWEI, IBM, JUNIPER, MSA, OPNEX, SMC, TELCO, ZTE.



GBIC

CAMPI DI APPLICAZIONE:

- DATACOM: Application using 10G Gigabit Ethernet an 2x/4x/8x fiber channel
- TELECOM: Application using OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16

CARATTERISTICHE:

- DATA RATE 1.25Gb/s
- WAVELENGTH 850/1310/1550 nm
- DISTANCE RANGE 550M / 150KM
- MEDIA TYPE MMF / SMF / CX4
- TEMPERATURE 0°C to +70°C
- CONNECTOR SC / RJ45
- DDM NO

BRAND COMPATIBILI

3COM, ALCATEL, ALLIED TELESIS, ALLNET, ARUBA, AVAYA, BROCADE, CISCO, D-LINK, EXTREME NETWORKS, EMULEX, ENTERASYS, ERICSSON, FINISAR, H3G, IBM, INTEL, JUNIPER, MCAFFE, NORTEL, REDBACK, RIVERSTONE NETWORKS, SMC, SUN, TRANSITION NETWORKS, ZTE.



MEDIA CONVERTER DOUBLE FIBER

CAMPI DI APPLICAZIONE:

- DATACOM: fast/Gigabit Ethernet, fiber channel
- TELECOM: OC-3/STM-1, OC-12/STM-4

CARATTERISTICHE:

- STANDARDS IEEE802.3/3u/3ab/3z/1q/1p/1d
- DATA RATE 10/100/1000Mb/s
- WAVELENGTH FINO A 1550 nm
- DISTANCE RANGE FINO A 120KM
- MEDIA TYPE SMF/MMF
- TEMPERATURE 0°C to +70°C
- CONNECTOR SC
- DDM NO



MEDIA CONVERTER SINGLE FIBER

CAMPI DI APPLICAZIONE:

- DATACOM: fast/Gigabit Ethernet, fiber channel
- TELECOM: OC-3/STM-1, OC-12/STM-4

CARATTERISTICHE:

- STANDARDS IEEE802.3/3u/3ab/3z/3x/1q/1p/1d
- DATA RATE 10/100/1000Mb/s
- WAVELENGTH 1310/1550 nm
- DISTANCE RANGE FINO A 120KM
- MEDIA TYPE SMF/MMF
- TEMPERATURE 0°C to +70°C
- CONNECTOR SC
- DDM NO



POE MEDIA CONVERTER

CAMPI DI APPLICAZIONE:

- DATACOM: fast/Gigabit Ethernet, fiber channel
- TELECOM: OC-3/STM-1, OC-12/STM-4

CARATTERISTICHE:

- STANDARDS IEEE802.3/3u/3ab/3z/1q/1p/1d
- DATA RATE 10/100/1000Mb/s
- WAVELENGTH FINO A 1550 nm
- DISTANCE RANGE FINO A 120KM
- POWER 15.4W to 50W and 48 to 52V
- MEDIA TYPE SMF
- TEMPERATURE 0°C to +70°C
- CONNECTOR SC
- DDM NO



RACK-MOUNT CHASSIS

CAMPI DI APPLICAZIONE:

- DATACOM: fast/Gigabit Ethernet, fiber channel
- TELECOM: OC-3/STM-1, OC-12/STM-4

CARATTERISTICHE:

- MANAGEMENT BASE ON WEB ADDRESS AND SNMP PROTOCOL
- 14/16/17 SLOT FOR MEDIA CONVERTER CARD



MUX DEMUX

CAMPI DI APPLICAZIONE:

- DATACOM: full range of Wavelength Division Multiplexer. Including CWDM Mux-Demux, Optical Add Drop Multiplexer, (OADM) units, DWDM Mux/Demux and 50G/100G/200G Thermal/Athermal AWG products to suit all kinds applications and network solutions, such as Gigabit & 10G Ethernet, SDH/SONET, ATM, ESCON, Fiber Channel, FTTx and CATV.

TIPOLOGIE:

CWDM MUX/DEMUX

Channel: 1x2 to 1x16

DWDM MUX/DEMUX

Channel: 1x2 to 1x16



PASSIVE CABLE

CAMPI DI APPLICAZIONE:

- DATACOM: fast Ethernet, Gigabit Ethernet, 1x/2x/4x fiber channel
- TELECOM: OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16

TIPOLOGIE :

10Gb/s Passive SFP+ Copper Twinax cable
Lunghezze: 0,5mt - 10mt

40Gb/s QSFP+ Direct-Attach Copper Cable (DAC)
Lunghezze: 0,5mt - 10mt

QSFP+ (40Gb/s) to 4x10GBASE-CU SFP+ Direct-Attach Breakout Cable
Lunghezze: 0,5mt - 3mt

QSFP+ (40Gb/s) to 4x XFP (10Gb/s) Copper Breakout Cable
Lunghezze: 0,5mt - 1mt



ACTIVE CABLE

CAMPI DI APPLICAZIONE:

- DATACOM: fast Ethernet, Gigabit Ethernet, 1x/2x/4x fiber channel
- TELECOM: OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16

TIPOLOGIE:

10Gb/s Active SFP+ Copper Twinax cable
Lunghezze: 5mt - 15mt

40Gb/s Active QSFP+ Direct-Attach Copper Cable (DAC)
Lunghezze: 15mt



AOC (Active Optical Cable)

CAMPI DI APPLICAZIONE:

- DATACOM: fast Ethernet, Gigabit Ethernet, 1x/2x/4x fiber channel
- TELECOM: OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16

TIPOLOGIE:

AOC (Active Optical Cable)
40GBASE QSFP+ AOC Cable
Lunghezze: 10mt - 100mt



COMPATIBILITA'

I transceiver **TLC Fabrik** sono compatibili con oltre 100 produttori di apparecchiature di rete. Prima di essere immessi nel mercato, tutti i nostri prodotti vengono collaudati in laboratorio utilizzando apparati di rete di ultima generazione di oltre 30 brand tra i piu' conosciuti quali: Cisco, Juniper, Extreme, Brocade, IBM, H3C, HP, Huawei, D-Link, ecc.

VERSIONI

- Disponibili in versione industriale, temperatura di utilizzo da -40°C a +85°C
- Disponibili con funzione di digital diagnostics monitoring (DDM)
- Disponibili in versione BIDI-WDM, CWDM, DWDM

QUALITA'

L'intero ciclo produttivo viene costantemente monitorato tramite i seguenti "quality controls" per garantire una completa compatibilita' dei nostri prodotti:

- | | |
|------------------------------------|---|
| • raw material quality control | - controllo delle materie prime utilizzate |
| • on production quality control | - controllo durante tutte le fasi di produzione |
| • finished product quality control | - controllo dei prodotti finiti |
| • delivery product quality control | - controllo durante le fasi di spedizione |

Sottoponiamo i nostri optical transceivers a severi test di controllo per garantirne un elevato standard qualitativo in tutte le fasi di produzione come di seguito elencato:

QUALITY CONTROL TEST

- 1 High-temperature -40°C + 85°C / drying testing
- 2 High-Performance Tx Rx Testing 1Gb / 10Gb / 40Gb / 100Gb
- 3 Signal Test with error detector
- 4 Compatibility Test
- 5 Optical Spectral Testing For all CWDM and DWDM optics

CERTIFICAZIONI

Tutti i nostri prodotti sono certificati :



RoHS

SFF- 8472 compliant

GARANZIA

L'alta qualita' dei componenti utilizzati e i processi produttivi conformi ai piu' elevati standard internazionali, ci consentono di offrire la garanzia a vita per tutti i nostri prodotti.



TLC Fabrik è un marchio di proprietà SE.CO. Srl.

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