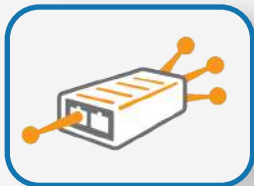


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NETRO
— NETWORKS —

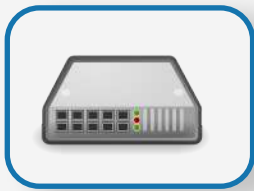
PRODUCT CATALOGUE



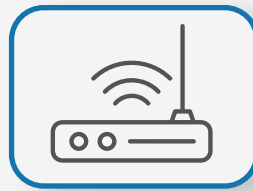
OPTICAL
TRANSCIVERS



WIRELESS
EQUIPMENT



NETWORKING
SWITCH



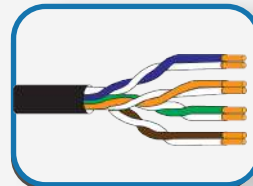
ROUTERS



TESTING
EQUIPMENT



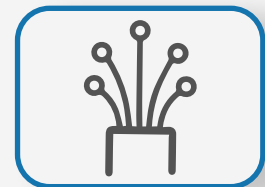
DWDM SOLUTION



CAT5e/CAT6e
COPPER CABLE



FIBER CABLE



FTTH PASSIVE

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About us

Netro Networks is a prominent technology brand in India that provides modern solutions to meet the country's connectivity and IT needs. Established in 2018, it has quickly become one of the industry's fastest-growing names.

Netro Networks specializes in manufacturing and distributing a wide range of products such as SFPs (Optical Modules), DWDM, DAC, AOC (FTTH Active and Passive Products), Network Switches, and Routers.

We are experts in delivering essential solutions for Optical Fiber Network connection products and their components. We have successfully catered to various players in the Optical Fiber market, including Telecom Operators, Major ISPs, MSOs, LCOs, Data Centers, Solution Providers, and Government Establishments. Our expertise spans all Optical devices and products applicable in the new generation optical network, featuring advanced technology suitable for Transmission Networks, Data Networks, Access Networks, and Passive Optical Networks (PON) of metropolitan area networks, among others.

At Netro, we guarantee the highest quality connectivity for our customers. We offer flexible solutions tailored to specific requirements and scenarios at competitive and affordable prices. We focus on delivering modules with fast delivery, high-reliability design and quality control, low power consumption design, and flexible brand compatibility.

CERTIFICATIONS



WHY NETRO?

At **NETRO**, We guarantee the highest quality connectivity for our clientele. We give flexible solutions that are tailored for your specific requirements and scenarios at competitive prices and affordable costs.



Best Quality
Guaranty



Competitive
Price



Wide Range of
Products



Free Consultation



Large Customer
Base



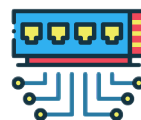
Best After Sale
Support



Rapid Delivery



Certified Quality
Products



Deployed in
Major Networks

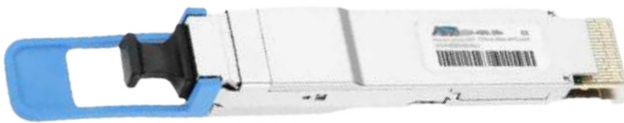


100% OEM
Compatibility

OPTICAL TRANSCEIVERS

Netro Networks SFP modules are 100% compatible with all the OEMs. All types of SFP: QSFP-DD 400G, QSFP28 100G, QSFP 40G, SFP+ 10G, SFP 1G, Copper SFP, SFP- GPON, EPON, SFP+ DWDM

QSFP-DD 400G



NNQ-DD-400G-ZR8
1310nm QSFP-DD 400G ZR8 80KM
Class1 CE FCC ROHS

QSFP28 100G



QSFP28 100G, 850nm 150M,
MM SR



QSFP 100G 1310nm
10KM, SM LR



QSFP28 100G, 1310nm 40KM,
SM ER

QSFP28 100G Product Description

Part No.	Type	Data Rate	Wavelength (nm)	Fiber Type	Distance	Tx power (dBm)	Rx Sens (dBm)	Temperature
NNQ-100G-SR-02	SR4	100G	850	MMF/MPO	100m	(-6.4~+2.5)	(-5.6)	(-40 to 85°)
NNQ-100G-LR4-LC	LR4	100G	1310	SM	10km	(-4.5~+4.6)	(-13.98)	(-40 to 85°)
NNQ-100G-LR4-LC	LR4	100G	1310	SM	20km	(-2.5~+5.4)	(-14.99)	(-40 to 85°)
NNQ-100G-ER4-LC	ER4	100G	1310	SM	40km	(-2.4~+6.5)	(-24.95)	(-40 to 85°)
NNQ-100G-ZR4-LC	ZR4	100G	1310	SM	80Km	(+7.2~12.7)	(-30)	(-40 to 85°)
NNQ-100GBi-10DA/B	BiDi 10D	100G	1291/1311	SM	10km	(-1.4~+4.5)	(-7.6)	(-40 to 85°)
NNQ-100GBi-20DA/B	BiDi 20D	100G	1291/1311	SM	20km	(-0.2~+6)	(-8)	(-8 to -11)
NNQ-100GBi-40DA/B	BiDi 40D	100G	1291/1311	SM	40km	(+6~+9.5)	(-24)	(-40 to 85°)
NNQ-100GBi-80DA/B	BiDi 80D	100G	1291/1311	SM	80Km	(+8~+12.7)	(-28)	(-40 to 85°)

QSFP+40G



QSFP+ 40G, 850nm 100M,
MM SR4



QSFP+ 40G 1310nm 10KM



QSFP+ 40G, 1310nm 40KM,
SM ER4

QSFP 40G Product Description

Part No.	Type	Data Rate	Wavelength (nm)	Fiber Type	Distance	Tx power (dBm)	Rx Sens (dBm)	Temperature
NNQ-40G-02	SR4	40G	850	MMF/MPO	100m	(-6 ~ +2.4)	-9	(-40 to 85°)
NNQ-40G-LR4	LR4	40G	1310	SM	10km	(-4 ~ +3.6)	-11	(-40 to 85°)
NNQ-40G-LR4	LR4	40G	1310	SM	20km	(-3 ~ + 4.2)	-15	(-40 to 85°)
NNQ-40G-LR4	ER4	40G	1310	SM	40km	(+2 ~ + 7.2)	-25	(-40 to 85°)
NNQ-40G-ZR4-60D	ZR4	40G	1310	SM	60Km	(+4 ~ +6.1)	-27	(-40 to 85°)
NNQ-40G-ZR4	ZR4	40G	1310	SM	80km	(+3 ~ +8.2)	-28	(-40 to 85°)

DWDM SFP



NN-DWDM-XX96-40
SFP+ 10GBase-DWDM-40



NN-DWDM-XX96-80
SFP+ 10GBase-DWDM-80

DWDM SFP+ 10G Product Description

Part No.	Type	Data Rate	Wavelength (nm)	Fiber Type	Distance	Tx power (dBm)	Rx Sens (dBm)	Temperature
NN-DXX-10G	ZR	10G	1550	SM Duplex	80km	(+1 ~ + 4)	-28	(-40 to 85°)

SFP+10G SM/MM Dual Fiber



SFP+ 10G 850nm,
300M, MM



SFP+ 10G 1310nm,
20KM, SM



SFP+ 10G 1550nm,
40KM, SM



SFP+ 10G 1550nm,
80KM, SM



SFP+ 10G MM BiDi, 20km
1270/1330nm 1330/1270nm



SFP+ 10G MMBiDi, 40km
1270/1330nm 1330/1270nm



SFP+ 10G MMBiDi, 60km 1
270/1330nm 1330/1270nm



SFP+ 10G MM BiDi, 80km 1490
/1550nm 1550/1490nm

SFP+ 10G Product Description

Part No.	Type	Data Rate	Wavelength (nm)	Fiber Type	Distance	Tx power (dBm)	Rx Sens (dBm)	Temperature
NNX-8596-03D	SR	10G	850	MMF	300m	(-4 ~ -1)	-12	(-40 to 85')
NNX-1396-20D	LR	10G	1310	SM Duplex	20km	(-2 ~ -1)	-16	(-40 to 85')
NNX-1396-40D	ER	10G	1310	SM Duplex	40km	(-1 ~ +4)	-22	(-40 to 85')
NNX-1596-40D	ER	10G	1550	SM Duplex	40km	(-2 ~ +4)	-18	(-40 to 85')
NNX-1596-80D	ZR	10G	1550	SM Duplex	80Km	(+1 ~ +4)	-27	(-40 to 85')
NNX-2396Bi-20D	BiDi-20D	10G	1310	SM Simplex	20km	(-2 ~ +1)	-18	(-40 to 85')
NNX-3296Bi-20D	BIDI-20D	10G	1310	SM Simplex	20km	(-2 ~ +1)	-18	(-40 to 85')
NNX-2396Bi-40D	BIDI-40D	10G	1270	SM Simplex	40km	(+4 ~ +1)	-19	(-40 to 85')
NNX-3296Bi-40D	BIDI-40D	10G	1330	SM Simplex	40Km	(+4 ~ +1)	-19	(-40 to 85')
NNX-2396Bi-60D	BIDI-60D	10G	1270	SM Simplex	60Km	(+4.5 ~ +2)	-27	(-40 to 85')
NNX-3296Bi-60D	BIDI-60D	10G	1330	SM Simplex	60Km	(+4.5 ~ +2)	-27	(-40 to 85')
NNX-4596Bi-80D	BIDI-80D	10G	1270	SM Simplex	80Km	(+5.6 ~ +4)	-25	(-40 to 85')
NNX-5496Bi-80D	BIDI-80D	10G	1330	SM Simplex	80Km	(+5.6 ~ +4)	-25	(-40 to 85')
NNX-4596Bi-80D	BIDI-80D	10G	1490	SM Simplex	80Km	(+3 ~ +2)	-24	(-40 to 85')
NNX-5496Bi-80D	BIDI-80D	10G	1550	SM Simplex	80Km	(+3 ~ +2)	-24	(-40 to 85')
NN-CX-02	10G Base-T	10G	~	Cat6/Cat6e	30Km		~	(-40 to 85')

SFP 1G



SFP 1G, 850nm 500M,
LC, MM



SFP 1G, 1310nm 20KM,
LC, SM



SFP 1G, 1310nm 40KM,
LC, SM



SFP 1G, 1550nm 40KM,
LC, SM



SFP 1G, 1550nm 80KM,
LC, SM



SFP 1G, 1550nm 120KM,
LC, SM

SFP 1G Product Description

Part No.	Type	Data Rate	Wavelength (nm)	Fiber Type	Distance	Tx power (dBm)	Rx Sens (dBm)	Temperature
NNS-8512-02D	SR	1G	850	SM Duplex	500m	(-7~-2)	-19	(-40 to 85°)
NNS-1312-20D	LR	1G	1310	SM Duplex	20km	(-6~-3)	25	(-40 to 85°)
NNS-1312-40D	ER	1G	1310	SM Duplex	40km	(-7~-2)	-27	(-40 to 85°)
NNS-1512-80D	ZR	1G	1550	SM Duplex	80km	(-2~+2)	-27	(-40 to 85°)
NNS-3512Bi-20D	BIDI-20D	1G	1310	SM Simplex	20Km	(-4~-1)	-26	(-40 to 85°)
NNS-5312Bi-20D	BIDI-20D	1G	1550	SM Simplex	20Km	(-4~-1)	-26	(-40 to 85°)
NNS-3512Bi-40D	BIDI-40D	1G	1310	SM Simplex	40km	(-3~-1)	-28	(-40 to 85°)
NNS-5312Bi-40D	BIDI-40D	1G	1550	SM Simplex	40km	(-3~-1)	-28	(-40 to 85°)
NNS-4512Bi-80D	BIDI-80D	1G	1490	SM Simplex	80km	(-2~+2)	-27	(-40 to 85°)
NNS-5412Bi-80D	BIDI-80D	1G	1550	SM Simplex	80km	(-2~+2)	-27	(-40 to 85°)
NNS-4512Bi-120D	BIDI-120D	1G	1490	SM Simplex	120km	(-1~+3)	-33	(-40 to 85°)
NNS-5412Bi-120D	BIDI-120D	1G	1550	SM Simplex	120km	(-1~+3)	-33	(-40 to 85°)
NN-C12-02	1G Base-T	1G	~	Cat6/Cat6e	~	~	~	(-40 to 85°)

1G/10G COPPER SFP



Copper SFP 1G, 100M



Copper SFP+ 10G, 100M"



EPON SFP
1490 1G EPON



GPON SFP
1490 2.5G GPON



Mux/DeMux
DWDM-8CH/16CH/24CH/40CH

100g BIDI QSFP28



NNQ-23CBi-20D
100G QSFP28 BIDI 20KM LC



NNQ-23CBi-40D
100G QSFP28 BIDI 40KM LC



NNQ-32CBi-30D
100G QSFP28 BIDI 30KM LC



NNQ-32CBi-80D
100G QSFP28 BIDI 80KM LC

DAC CABLES

Netro Networks DAC Cables, also known as Direct Attach Cables, come in lengths ranging from 1 to 10 meters in the SFP+ and QSFP domains, and up to 5 meters in QSFP28. Netro Networks DAC Twinax Cables are fully compatible with all OEMs. DAC provides a highly cost-effective method for connecting within racks and across adjacent racks



SFP+10G DAC Cable



QSFP+40G DAC Cable



QSFP28 100G DAC Cable



QSFP128 400G DAC Cable

AOC CABLES

Netro Networks AOC Cables, also known as Active Optical Cables, come in lengths ranging from 1 to 30 meters in the 10G+, QSFP, and QSFP28 AOC. Netro Networks AOC are cable assemblies that connect directly to SFP+ modules at both ends.



BREAKOUT CABLES



FIBER CABLE

NETRO NETWORKS Fiber Cable also known as an Optical Fiber Cable, is an assembly similar to a electrical cable, but containing one or more optical fibers that are used to carry light.

UNARMoured WITH GLASS YARN CABLE



2 Core 2 FRP Cable,
G652D Diameter 5.8, HDPE



4 Core 2 FRP Cable,
G652D Diameter 6.0, HDPE



6 Core 2 FRP Cable,
G652D Diameter 6.0, HDPE



12 Core 2 FRP Cable,
G652D Diameter 6.0, HDPE

ARMoured FIBER CABLE



2 Core 2 FRP Cable, G652D
Diameter 5.8, HDPE



4 Core 2 FRP Cable,
G652D Diameter 6.0, HDPE



6 Core 2 FRP Cable,
G652D Diameter 6.0, HDPE



12 Core 2 FRP Cable,
G652D Diameter 6.0, HDPE

DROP CABLE (Aval .Min 2Km Bundle)



1 Fiber Optic Drop Cable SM, G657A1
(ARP) LSZH Sheath Flat Cable



2 Fiber Optic Drop Cable SM, G657A1
(ARP) LSZH Sheath Flat Cable



2 Fiber Optic Drop Cable SM, G657A1
(FRP) LSZH Sheath Flat Cable

COPPER CABLE (SFTP / UTP)



CAT5e, 4 Pair 0.40mm UTP,
PVC, 305Mtr, Copper Cable



CAT6e, 4 Pair 0.52mm UTP,
PVC, 305Mtr, Copper Cable



CAT5e, 4 Pair 0.40mm SFTP,
PVC, 305Mtr, Copper Cable



CAT6e, 4 Pair 0.52mm SFTP,
PVC, 305Mtr, Copper Cable

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FIBER PATCH CORDS & PIGTAILS

NETRO NETWORKS Fiber Optic Patch Cable also known as fiber patch cord cable. This series SC fiber optic patch cable provide you many types including SC to SC to SC, SC to LC, SC to ST, SC to FC with simplex or duplex fibers.



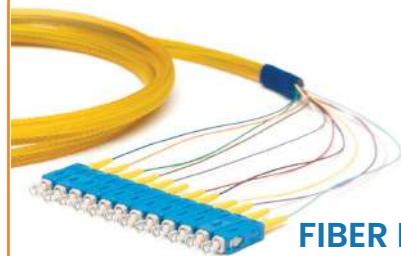
SINGLE MODE SIMPLEX
FC-SX-LL/PC | FC-SX-SL/PC FC-SX-SS/PC | FC-SX-SS/APC



SINGLE MODE DUPLEX
FC-DX-LL/PC | FC-DX-SL FC-DX-SS | FC-DX-LF/PC | FC-DX-SF/PC



MULTIMODE OM1/2/3/4 DUPLEX
FC-OMMZ-SX-LL/PC FC-MM-DX-LL/PC Multimode



FIBER PIGTAIL
SC-PC 1 M Single Mode

PLC SPLITTER & RATIO COUPLER



Without Connector
PLC Splitter Without Connector



With Connector
PLC Splitter With Connector



Triple Window Coupler
1310, 1490, 1550 in ratio of: 10:90, 280, 30:70, 40:60, 50:50 for FTTx and CATV applications.

LIGHT INTERFACE UNIT (LIU)

NETRO NETWORKS LIU Rackmount Sliding Type-19inch, with SC/PC, SC/APC, LC/PC, FC/PC, ST/PC, E2K/APC. Available: Single Mode / Multi Mode/Simplex/Duplex



12F/24F/48F Unloaded



12F Loaded Rackmount LIU



24F Loaded Rackmount LIU



48F Loaded Rackmount LIU

JOINT CLOSURE (JC BOX)

NETRO NETWORKS Joint Closure is Specially designed for fiber to the home, Used as termination box also. Quick and easy access, Perfectly water proof, Its Standard fiber counts: 2F to 12F



2-Way Termination Box 2F
Cable size upto-8mm



4-Way Termination Box 4F
Cable size upto-5mm



2-Way Mini Termination Box 2F
Cable size upto-8mm

TESTING EQUIPMENT

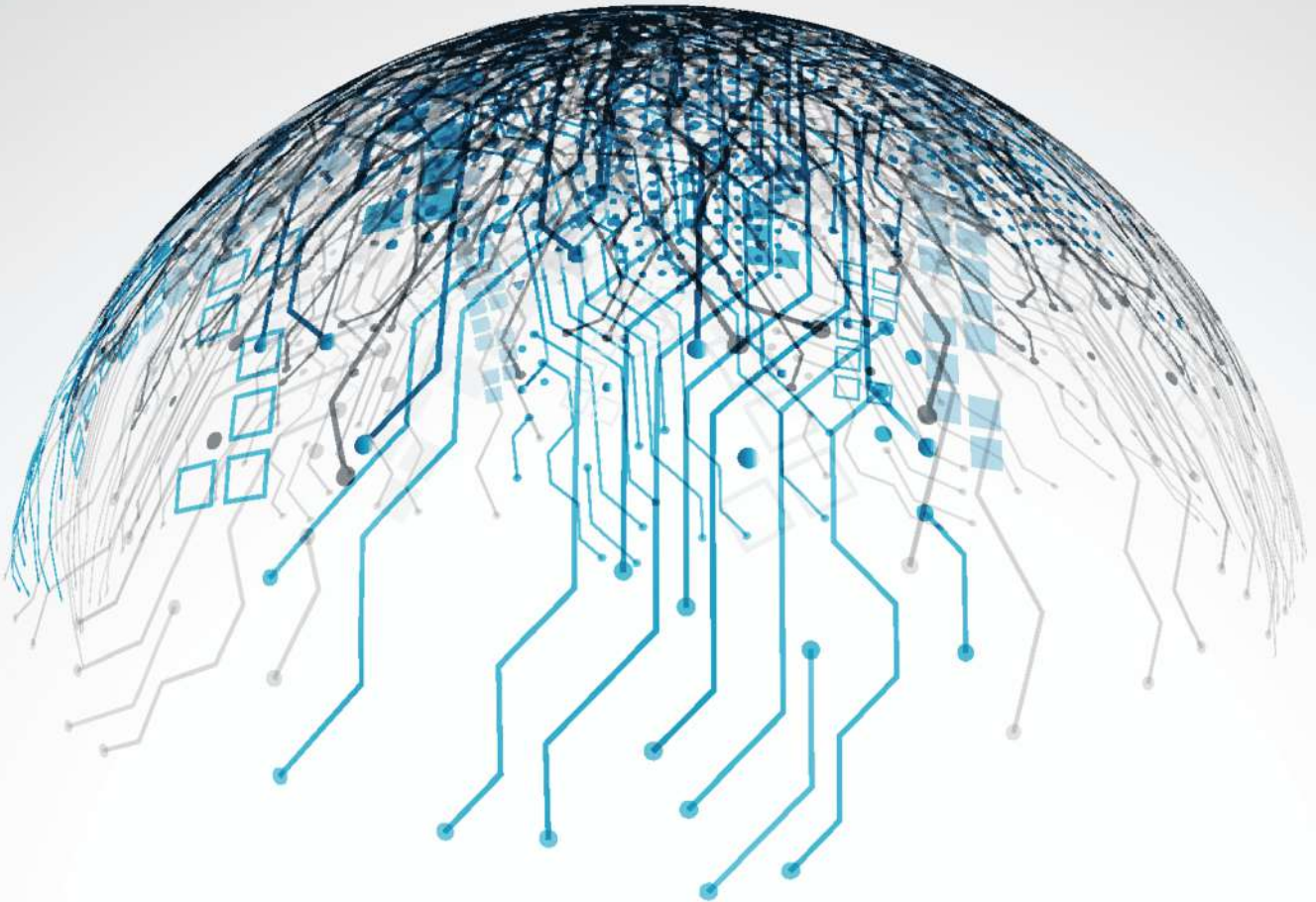


OPM
Optical Power Meter



VFL
Visual Fault Locator

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THANKYOU

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