India’s Leading Manufacturer for Optical Transceivers and FTTx

Product Catalogue
The Company

Syrotech Networks is a leading technological brand established by GO IP Global Services Pvt. Ltd. With over 28 years of experience, we have specialized in design, development, and manufacturing of FTTx, Datacom, Networking, and Security products. The Make in India initiative was devised to transform India into a global design and manufacturing hub. Our brand truly stands behind this initiative with capital investments made in R&D and manufacturing unit in Greater Noida, which is supported by 200+ highly skilled R&D and production team members.

Our product ranges from OLT & EDFA deployed at ISP/MSO NOC to a wide range of client-end deployed ONT providing Data (Wi-Fi), Voice and Video Services. We are the 1st Indian manufacturer of optical transceivers, who researches, designs, manufactures and markets optical transceivers for various applications & data rate.

In accordance with IEEE and MSA protocol, the transceivers use the form factor of SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, DAC & AOC, Optical Patch chords etc. In Security & Surveillance sector we have introduced Smart IP CCTV Cameras, Access Control and Entrance Automation products.
Mission

Our mission is to serve our customers with the highest level of customer satisfaction, providing price competitive products developed and delivered on time by our innovative, talented, dedicated and empowered workforce.

To steer the country onto the path of rapid development and growth and to make India self-reliant, five things are of high importance – intent, inclusion, investment, infrastructure and innovation.
Our Product Portfolio

Datacom

FTTx

Networking

Wireless

Security

Entrance
FTTx - ACTIVE

GPON/GEAPON - OLT & ONT

**GPON-OLT**
- SY-GPON-16OLT 16 PORT GPON OLT
- SY-GPON-8OLT 8 PORT GPON OLT
- SY-GPON-4OLT 4 PORT GPON OLT

**GEAPON-OLT**
- SY-GPON-16OLT-L3 16 PORT EPON OLT
- SY-GPON-8OLT-L3 08 PORT EPON OLT
- SY-GPON-4OLT-L3 04 PORT EPON OLT

**TRIPPLE PLAY**
- SY-GPON-2010-WADONT 2GE+IPOT+CATV+WIFI(AC)
- SY-GPON-1111-WADONT IGE+IFE+IPOT+CATV+WIFI(AC)
- SY-GPON-1101-WADONT IGE+IFE+CATV+WIFI
- SY-GPON-1001-DONT IGE+CATV

**DATA+VOICE**
- SY-GPON-4010-WADONT 4GE+IPOT+WIFI(AC)
- SY-GPON-2010-WADONT 2GE+IPOT+WIFI(AC)
- SY-GPON-1110-WADONT IGE+IFE+IPOT+WIFI
- SY-GPON-1010-DONT IGE+IPOT

*All GPON ONTs are by default XPON. These can be used in GPON as well as GEAPON.*
ONT, ONU & SFP

DATA

SY-GPON-2000-WDON'T
2GE+WIFI(AC)

SY-1000-2WDON'T
1GE+WIFI

SY-GPON-4000R-DON'T
4GE PORT

SY-GPON-1000R-DON'T
1GE PORT

GEAPON ONU

SY-GPON-1000R-ONU
1GE EPON ONU

SY-GPON-0400-ONU
4FE ONU

SY-GPON-0800-RPONU-OUT
8FE Reverse POE ONU (Outdoor Enclosure)

GEAPON SFP

GOXS-BI4312-20PON+++
7db EPON SFP

GOXS-BI4312-20PON4+
9db EPON SFP

GPON SFP

GOXS-BI4312-20PONC++
GPON SFP,C++, 1490/1310,20KM

GOXS-BI4312-20PONC+++ GPON SFP,C+++, 1490/1310,20KM
XGS PON OLT & ONT

**XGS OLT**

SY-XGSPON-8OLT
- XGS-PON Interface, 2x100G QSFP28, 8x100M Base-X SFP/ 10G SFP+, 8xXGS / GPON Port

**XGS ONT**

SY-XGS-1000-10G ONT
- XGS-PON Interface, 1x10G Base-T Rj45, 1x10/100/1000 Base-T RJ45, 1 CATV, XGS PON OLT

SY-XGS-1021-10G ONT
- XGS-PON Interface, 1x10G Base-T Rj45, 1x10/100/1000 Base-T RJ45, 2 X POTS Interface 1 CATV, XGS PON OLT

SY-XGS-4021-10G ONT
- XGS-PON Interface, 1x10G Base-T Rj45, 4x10/100/1000 Base-T RJ45, 2x RJ11, 1 CATV, XGS PON OLT

"India has seen dream of Digital India from latest science to latest technology, everything should be available at the tip of one’s finger."

- Narendra Modi
Datacom
Optical Transceivers

**QSFP28 100G**
- GOXQ28-13100G-ZR4
  - 100G, QSFP28, 1310nm, 80KM
- GOXQ28-13100G-ER4
  - 100G, QSFP28, 1310nm, 40KM
- GOXQ28-13100G-LR4
  - 100G, QSFP28, 1310nm, 10KM
- GOXQ28-85100G-SR4
  - 100G, QSFP28, 850nm, 150mtr

**QSFP+ 40G**
- GOXQ-1340G-ZR4
  - 40G, QSFP+, 1310nm, 80KM
- GOXQ-1340G-ER4
  - 40G, QSFP+, 1310nm, 40KM
- GOXQ-1340G-LR4
  - 40G, QSFP+, 10KM
- GOXQ-8540G-02-SR4
  - 40G, QSFP+, SR4, 850nm, 100mtr

**SFP28 25G**
- GOXP-8528-02
  - SFP28 25G, 850NM, 300M
- GOXP-1328-10
  - SFP28 25G, 1310NM, 10KM
- GOXP-BI2328-20
  - SFP28 25G, 1270/1330, 20KM SMF
- GOXP-BI3228-20
  - SFP28 25G, 1330/1270, 20KM SMF
**SFP+ 10G BIDI**

- GOXP-BI2396-20 | 40 | 60 | 80 SFP+, 10G, BIDI, 1270/1330NM, XX KM, SMF, DDM
- GOXP-BI3296-20 | 40 | 60 | 80 SFP+, 10G, BIDI, 1330/1270NM, XXKM, SMF, DDM

**SFP+ 10G (DUAL FIBER)**

- GOXP-8596-02 SFP+, 10G, 850NM, 300M, MMF, DDM
- GOXP-1396-20 SFP+, 10G, 1310NM, 20KM, SMF, DDM
- GOXP-1596-40 | 80 SFP+, 10G, BIDI, 1550NM, 40-80KM, SMF, DDM

**SFP 1G BIDI**

- GOXP-BI3512-20D | 40D SFP, 1.25G, BIDI, 1310/1550NM, 20/40 KM, SMF, DDM
- GOXP-BI5312-20D | 40D SFP, 1.25G, BIDI, 1330/1270NM, 20/40 KM, SMF, DDM
- GOXP-BI4512-80D | 120D SFP, 1.25G, BIDI, 1490/1550NM, 80-120 KM, SMF, DDM
- GOXP-BI5412-80D | 120D SFP, 1.25G, BIDI, 1550/1490NM, 80-120 KM, SMF, DDM

**SFP 1G (DUAL FIBER)**

- GOXS-8512-20D | 40D SFP, 1.25G, 850NM, 500M, MMF, DDM
- GOXS-1312-20D | 40D SFP, 1.25G, 1310NM, 20KM, SMF, DDM
- GOXS-1512-20D | 40D | 80D | 120D SFP, 1.25G, 1550NM, XX KM, SMF, DDM

**COPPER SFP+ & SFP**

- GOXP-C96-02 SFP+, 10G, Copper, RJ45, 90mtr
- GOXP-C12-02 SFP, 1000M, Copper, RJ45

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**Optical Transceivers 100%**

Compatible for All OEMs (QSFP28, QSFP+, SFP+, XFP, SFP)
**DWDM**

**DWDM-MUX-DEMUX**
- SY-DWDM-08MD278d-R
  DWDM DeMUX, BCH, CH-27-34, Rackmount Package, LC/UPC
- SY-DWDM-16MD2742-ESR
  DWDM MUX, 16CH, CH-27-42, Rackmount Package, LC/UPC
- SY-DWDM-24MD2346-ESR
  DWDM DeMUX, 24CH, CH-23-46, Rackmount Package, LC/UPC
- SY-DWDM-40MD2160-ESR
  DWDM MUX, 40CH, CH-21-60, Rackmount Package, LC/UPC
- SY-DWDM-96D-R
  DWDM MUX, 96CH 50G AAWG, Rackmount Package, LC/UPC

**DISPERSION COMPENSATION MODULE**
- SY-DCM-40-LC-UPC
  - To maintain the OSNR (Optical Signal to Noise Ratio) in DWDM Transmission
  - Extending the existing distance, Maintain the signal strength
  - Used for cascading of multiple amplification stages.

**BOOSTER AMPLIFIER SINGLE FIBER DWDM EDFA**
- SY-DBA-BIDI-20G30:
  DWDM EDFA BA G30/20dB Gain 30dB, Max output 20dB LC/UPC dual DC 48V power IU Rack.
- SY-DBA-BIDI-18G30:
  DWDM EDFA BA G30/18dB Gain 30dB, Max output 18dB LC/UPC dual DC 48V power IU Rack.
- SY-DBA-BIDI-16G30:
  DWDM EDFA BA G30/16dB Gain 30dB, Max output 16dB LC/UPC dual DC 48V power IU Rack.

**BOOSTER AMPLIFIER DUAL FIBER DWDM EDFA**
- SY-DBA-EDFA-20D
  DWDM BA (single fiber single direction) – with IU, with SNMP port for web management Wavelength range=1528-1564 (40 channel), Input power=30 to +5, Output power=20 dBm, Gain=20 dBMDG48V+DC48V Connector type=LC/UPC.

**SFP+ 10G DWDM**
- GOXP-DWDM-XX96-40
  DWDM SFP+, 10G, XXXXX nm=40KM
- GOXP-DWDM-XX96-80
  DWDM SFP+, 10G, XXXXX nm=80KM
- GOXP-CWDM-XX96-40
  CWDM SFP+, 10G, 1470-1610nm=40KM
- GOXP-CWDM-XX96-80
  CWDM SFP+, 10G, 1470-1610nm=80KM
DAC AND AOC
APPLICATION

SERVERS
10G SFP+ DAC
25G SFP28 AOC
40G QSFP+ DAC

NETWORK SWITCH
100G QSFP28 TO 4*SFP28 DAC
40G QSFP+ TO 4*SFP+ DAC

ROUTER
100G QSFP28 DAC
100G QSFP28 AOC
40G QSFP+ AOC

CORE SWITCH
100G QSFP28 DAC
100G QSFP28 AOC
40G QSFP+ AOC
DWDM Active Solution

By implementing DWDM 200G data can be transferred up to 80km over single core fiber.

DWDM Booster Amplifier Enhances the exiting data transfer capacity up to 320G over 120km.

OTN

OPTICAL TRANSMISSION NETWORK SOLUTION FOR ISP/TSP/DC
NETWORKING

PoE SWITCH

**UNMANAGED POE SWITCH**

- **SY-0400P-2T-65W**
  4*10/100Mbps POE Port
  + 2*10/100Mbps Uplink Port,
  IEEE802.3af/at, 65W POE Power,
  Extend 250 Meters

- **SY-4000P-2T-96W**
  4*10/100/1000Mbps POE Port
  + 2*10/100/1000Mbps Uplink Port,
  af/at, 96W POE Power,
  Extend 250 Meters

- **SY-8000P-2T-2S-150W**
  8*10/100/1000Mbps POE Switch
  + 2*10/100/1000Mbps &
  2G SFP Uplink Port,
  Support af/at Standard,
  150W Extend 250 Meters

- **SY-0800P-2G-120W**
  8*10/100Mbps POE Switch
  + 2GE Uplink
  Support af/at Standard,
  120W Extend 250 Meters

- **SY-8000P-2T-150W**
  8*10/100/1000Mbps POE Port
  + 2*10/100/1000Mbps Uplink Port,
  af/at, 150W POE Power,
  Extend 250 Meters

- **SY-2400P-2T-2S-400W**
  24*10/100/1000Mbps POE Port
  + 2*10/100/1000Mbps & 2GE SFP,
  Uplink Port,IEEE802.3af/at
  Standard, 320W POE Power
  Extend 250 Meters

**L2 MANAGED POE SWITCH**

- **SY-8000P-2T-120W-L2**
  8*10/100/1000Mbps POE Port
  + 2GE SFP Port, 1 Console Port,
  IEEE802.3af/at, 120W POE Power
  L2 Managed

- **SY-8000P-2S-150W-L2**
  8*10/100/1000Mbps POE Port
  + 2GE SFP Port, 1 Console Port,
  IEEE802.3af/at, 150W POE Power
  L2 Managed

- **SY-2400P-4S-400W-L2**
  24x10/100/1000Mbps POE Port
  + 4xGigabit SFP port, 1 console port,
  Managed L2 Switch, af/at, 400W built-in power

**INDUSTRIAL POE SWITCH**

- **SY-4000P-2S-IND**
  POE 4 Port Industrial Switch, 4*10/100/1000Mbps POE Port
  + 2GE SFP Uplink Port, IEEE802.3af/at, L2 Managed
  Temp -40° ~ +70° C

- **SY-8000P-2S-IND**
  POE 8 Port Industrial Switch, 8*10/100/1000Mbps POE Port
  + 2GE SFP Uplink Port, IEEE802.3af/at, L2 Managed
  Temp -40° ~ +70° C
NETWORKING

**L2/L3 MANAGED SWITCH**

**SY-8000P-4X-L2**
8*10/100/1000Mbps Base-T
4*1000M Base-X SFP/10GE SFP+

**SY-2400-4X-L2**
24*10/100/1000Mbps Base-T
4*1000M Base-X SFP/10GE SFP+

**SY-2400S-4X-DP**
24*1000Mbps Base-X SFP
4*1000M Base-X SFP/10GE SFP+

**SY-2400X-2Q28-L3**
24*10G SFP+, 2*40/100G QSFP

**UNMANAGED SWITCH**

**SY-1005**
5*10/100/1000M
auto-negotiation RJ45 ports
(Auto MDI/MDIX)
RJ45 ports (Auto MDI/MDIX)

**SY-1008**
8*10/100/1000M
auto-negotiation RJ45 ports
(Auto MDI/MDIX)
RJ45 ports (Auto MDI/MDIX)

"Expand your network with all the cutting-edge features that Syrotech switches offer."
NETWORKING

Media Converter

10/100 MEDIA CONVERTER

- GOMC-1303-20
  10/100M SM Dual Fiber, 1310nm, SC, 20Km

- GOMC-8503-02
  10/100M MM Dual Fiber, 850nm, SC, 2Km

- GOMC-BI3503-20
  10/100M Bidi TX1310/RX1550, SC, 20Km

- GOMC-BI5303-20
  10/100M Bidi TX1550/RX1310, SC, 20Km

10/100/1000 MEDIA CONVERTER

- GOMC-1312-20
  10/100/1000M SM Dual Fiber, 1310nm, SC, 20Km

- GOMC-8512-02
  10/100/1000M MM Dual Fiber, 850nm, SC, 2Km

- GOMC-BI3512-20
  10/100/1000M SM Single Fiber, T1310/1550nm, SC, 20Km

- GOMC-BI5312-20
  10/100/1000M SM Single Fiber, T1550/R1310nm, SC, 20Km

1000 SFP MEDIA CONVERTER

- GOMC-1312-SFP
  1000M SFP Media Converter, without SFP, External AC220V
## Wireless

### Access Point

**SY-AP-1200-ODAC**
- 802.11AC MU-MIMO for high throughput
- Up to 1167 Mbps dual-band data rate
- 24V Passive PoE or IEEE 802.3af at PoE power supply
- Max Range of up to 150 meters
- Outdoor Wi-Fi Access Point
- 2xRP-SMA Connectors

**SY-AP-3000-AX (WiFi-6)**
- 802.11AX Dual-Band Long Range Access Point
- Up to 3000 Mbps dual-band data rate
- 2.4 GHz band 2x2 MIMO with a radio rate of 574 Mbps
- 5 GHz band 2x2 MIMO with a radio rate of 2402 Mbps
- Power input with 802.3at PoE

**SY-AP-1200-AC**
- 802.11ac Dual-Band Access Point
- MU-MIMO for high throughput
- Up to 1167 Mbps dual-band data rate
- 24V Passive PoE or IEEE 802.3af at PoE power supply
- Range of up to 150 meters

### Wi-Fi Router

**SY-AX-1800 (WiFi-6)**
- 2.4GHz: 300Mbps, 5GHz: 1200Mbps
- 5*6dBi high-gain antennas
- MU-MIMO Parental Control

**SY-1200-AC-PRO**
- 2.4GHz: 300Mbps, 5GHz: 1201Mbps
- 5*6dBi external antennas
- MU-MIMO Parental Control

**SY-1200-AC**
- 2.4GHz & 5GHz
- 4*6dBi external dual band antennas
- Remote Web Management

### Wi-Fi USB Dongle

**SY-USB-AX-EXT**
- Wi-Fi 6 Dual Band
- USB 3.0 Adapter
- 2*5dBi external antenna

**SY-USB-AX**
- SY-USB-AX Wi-Fi 6
- Dual Band
- USB 3.0 Adapter
- Internal antenna
Access Point

Qualcomm chipset.

802.11ac/b/g/n, MIMO technology.

Wireless AP, Gateway, WISP, Wi-Fi Repeater WAN.

10/100/1000Mbps RJ45 WAN Port, WAN port support IEEE 802.3 at standard PoE.

Increase broadband connectivity across India and further push internet adoption in rural areas.

Wi-Fi networks to be enabled by Public Data Office Aggregators (PDOAs) to provide Wi-Fi service through Public Data Offices (PDOs).

Will help in proliferation of broadband internet, enhance income & employment for small and medium entrepreneurs and ease of doing business.
Wi-Fi Solution

- 802.11AX Indoor Dual-Band Long Range Access Point.
- AP is designed based on the latest Wi-Fi Technology.
- Up to 3000 Mbps Dual-Band Data Rate (2.4GHz, 5GHz).
- 3x3:3 spatial stream, 2.5 times higher rate.
- More than 20% wider Wi-Fi coverage, higher capacity.
- Higher security, intelligent roaming protocol.
- Power input width 802.3at PoE.

- 802.11AC Outdoor Dual-Band Long Range Access Point.
- Concurrent dual band data rate up to 1167 Mbps (2.4GHz, 5GHz).
- MU-MIMO technology for higher throughput.
- Coverage radius up to 200 meters.
- Built-in RF for intelligent optimization.
- Power input width 802.3at PoE.
- Higher security, intelligent roaming protocol.
- Durable IP 65 enclosure for outdoor Wi-Fi applications.
FTTx-PASSIVE
FIBER PATCHCORD

**SINGLE MODE SIMPLEX**

- LC/UPC-LC/UPC
- SC/UPC-LC/UPC
- SC/UPC-SC/UPC
- SC/APC-SC/APC
- ST/PC-ST/PC

**SINGLE MODE DUPLEX**

- LC/UPC-LC/UPC
- SC/UPC-LC/UPC
- SC/UPC-SC/UPC
- ST/PC-ST/PC
- FC/PC-FC/PC

**MULTI MODE OM1/OM2/OM3/OM4/OM5**

- LC/PC-LC/PC
- SC/PC-SC/PC
- SC/PC-LC/PC
- ST/PC-ST/PC
- FC/PC-FC/PC

**SINGLE MODE/MULTI MODE PIGTAIL**

- SC/PC SM
- SC/APC SM
- LC/PC SM
- LC/APC SM
- SC/PC MM

*Fiber Patch Cords are available in 1m, 2m, 3m, 5m, 10m, 15m, 20m and customized patch cords are available based on request.*
LIU - FMS

RACK MOUNTING SLIDING TYPE-19 INCH WITH SC/PC, SC/APC, LC/PC, FC/PC, ST/PC, E2K/APC

*Our Rack Mount LIU/FMS are TWO-IN-ONE, can use as sliding type as well as open top type.

**Single Mode / Multi Mode - Simplex / Duplex options are also available.**

WALL MOUNT TYPE-19 INCH, WITH SC/PC, SC/APC, LC/PC, FC/PC, ST/PC, E2K/APC
Indian craftsmanship and digital technology makes Syrotech the masters of connectivity & compatibility.

Make in India

“"In addition to creating sustainable livelihood, our aims are constant development of new products that meet Indian standards, supporting Indian suppliers, and incorporating 5000+ employment opportunities."

– Anil Mittal, Chairman
Why Choose Syrotech?

- Guaranteed Quality
- Competitive Price
- Fast Delivery
- Universal Compatibility
- Industrial Compliant
- Wide Range of Products
- Quality Certified
- Deployed in Major Networks

GO IP Global Services Pvt. Ltd.
Location: H-68, Sector-63, Noida-201307 (UP), India
Mail: info@syrotech.com
Website: www.syrotech.com
Toll Free: 1800-21200-6122