Superxon



Chengdu Superxon Communication Technology Company

Product Catalog

ABOUT US

Chengdu Superxon Communication Technology Co., Ltd. is founded in 2007 and headquartered in Chengdu, China.

Superxon is one of high-tech enterprises and a global leading provider of advanced optical transceivers used in Metro, Data Center, Access and Wireless Networks. Superxon focus on promoting production automation and improving product quality consistently.

Superxon is well positioned for the leading supplier of the global optical transceiver market and strives to service to the global customers.

HIGHLIGHT

- 24000㎡ campus headquarters
- Leading technology in Access Networks and Wireless Transmission networks
- Custom design service
- Rich R&D resources and experience
- Optical assembly & transceiver design and production
- Vertically integrated production capacity
- Emphasis on Quality Procedure
- Compliance with major safety certifications

CONTACT US

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For the latest datasheet, Sample and custom design service, please kindly contact us.

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Product Catalog

Access Networks

- NG-PON2 ONU/OLT
- XGS COMB OLT
- XGS OLT
- XG COMB OLT
- 10G EPON OLT
- G/EPON OLT
- 10G ONU

Wireless Transmission Networks

- 10G SFP+
- 25G SFP28
- 100G LR4 QSFP28
- 100G LR1 QSFP28

Access Networks
--- NG-PON2 ONU/OLT

Superxon NG-PON2 ONU/OLT transceivers are compliant to the latest releases of the XFP MSA, ITU-T G.989.2

- Single fiber bi-directional data links, downstream 9.95G continuous mode and upstream 9.95G burst mode application
- 3.3V power supply
- Hot-pluggable capability
- Upstream Central Frequency(THZ): 195.6, 195.5, 195.4 and 195.3
- Downstream Central Frequency(THZ): 187.8, 187.7, 187.6 and 187.5

Product	Part No.	Distance	Package & Connector	Temp. Range
NG-PON2 OLT N2	SOGNAB99-XSGB	20km	XFP & SC	C
NG-PON2 ONU N2	SOGNBA99-XTGA	20km	XFP & SC	C

Access Networks
--- XGS COMB OLT

Superxon XGS COMB PON OLT transceivers are compliant to the latest releases of the SFP+ MSA.

- Single fiber bi-directional data links TX 9.95Gbps, Burst Mode RX 9.95G/2.488Gbps application
- Single fiber bi-directional data links TX 2.488Gbps, Burst Mode RX1.244Gbps application
- 3.3V power supply
- Hot-pluggable capability
- High power 1577nm EML LD and High power 1490nm DFB LD
- High sensitivity 1270nm APD and 1310nm APD

Product	Part No.	Distance	Package & Connector	Temp. Range
XGS COMB OLT C+	SOGX6299-PSGF	20km	SFP+ & SC	C, I
XGS COMB OLT B+	SOGX6299-PSGE	20km	SFP+ & SC	C, I

Access Networks
--- XGS OLT

Superxon XGS PON OLT transceivers are compliant to the latest releases of the SFP+ MSA.

- Single fiber bi-directional data links TX 9.95Gbps, Burst Mode RX 9.95G/2.488Gbps application
- 3.3V power supply
- Hot-pluggable capability
- High power 1577nm EML LD
- High sensitivity 1270nm APD

Product	Part No.	Distance	Package & Connector	Temp. Range
XGS OLT N1	SOGX6299-PSGA	20km	SFP+ & SC	C, I
XGS OLT N2	SOGX6299-PSGB	20km	SFP+ & SC	C, I
XGS OLT E1	SOGX6299-PSGG	20km	SFP+ & SC	C

Access Networks
--- XG COMB OLT

Superxon XG COMB PON OLT transceivers are compliant to the latest releases of the SFP+ MSA.

- Single fiber bi-directional data links TX 9.95Gbps, Burst Mode RX 2.488Gbps application
- Single fiber bi-directional data links TX 2.488Gbps, Burst Mode RX 1.244Gbps application
- 3.3V power supply
- Hot-pluggable capability
- High power 1577nm EML LD and High power 1490nm DFB LD
- High sensitivity 1270nm APD and 1310nm APD

Product	Part No.	Distance	Package & Connector	Temp. Range
XG COMB OLT D2/C+	SOGX6292-PSGF	20km	SFP+ & SC	C, I
XG COMB OLT D1/B+	SOGX6292-PSGE	20km	SFP+ & SC	C, I

Access Networks
--- 10G EPON OLT

Superxon 10G EPON OLT transceivers are compliant to the latest releases of the SFP+/XFP MSA.

- Single fiber bi-directional data links TX 10.3Gbps, Burst Mode RX 10.3Gbps application
- Single fiber bi-directional data links TX 1.25Gbps, Burst Mode RX1.25Gbps application
- 3.3Vpower supply
- Hot-pluggable capability
- High power 1577nm EML LD and High power 1490nm DFB LD
- High sensitivity 1270/1310nm APD

Product	Part No.	Distance	Package & Connector	Temp. Range
10G EPON OLT PR30	SOEX6277-PSGC	20km	SFP+ & SC	C, I
10G EPON OLT PR40	SOEX6277-PSGF	20km	SFP+ & SC	C, I
10G EPON OLT PR30	SOEX6277-XSGB	20km	XFP & SC	C, I
10G EPON OLT PR40	SOEX6277-XSGF	20km	XFP & SC	C, I

Access Networks
--- G/EPON OLT

Superxon G/EPON OLT transceivers are compliant to the latest releases of the SFP MSA.

- Single fiber bi-directional data links TX 2.5G or 1.25Gbps , Burst Mode RX 1.25Gbps application
- 3.3V power supply
- Hot-pluggable capability
- High power 1490nm DFB LD
- High sensitivity 1310nm APD

Product	Part No.	Rate	Distance	Package & Connector	Temp. Range
GPON OLT B+	SOGP4321-PSGB	2.5G/1.25G	20km	SFP & SC	C, I
GPON OLT C+	SOGQ4321-PSGB	2.5G/1.25G	20km	SFP & SC	C, I
GPON OLT C++	SOGQ4321-PSGC	2.5G/1.25G	20km	SFP & SC	C, I
EPON OLT PX20+	SOEB4366-PSGB	1.25G/1.25G	20km	SFP & SC	C, I
EPON OLT PX20++	SOEB4366-PSGE	1.25G/1.25G	20km	SFP & SC	C, I

Access Networks
--- 10G ONU

Superxon 10G ONU transceivers are compliant to the latest releases of the SFP+ MSA.

- Single fiber bi-directional data links Burst Mode TX 10G or 2.5G or 1.25Gbps , RX 10Gbps application
- 3.3V power supply
- Hot-pluggable capability
- High power 1270nm or 1310nm DFB LD
- High sensitivity 1577nm APD

Product	Part No.	Rate	Distance	Package & Connector	Temp. Range
XGS ONU	SOGX2699-PSGA	9.95G/9.95G	20km	SFP+ & SC	C
XG ONU	SOGX2629-PSGA	2.5G/9.95G	20km	SFP+ & SC	C
Symm. 10G EPON ONU	SOEX2677-PSGA	10.3G/10.3G	20km	SFP+ & SC	C
Asym. 10G EPON ONU	SOEX3667-PSGA	1.25G/10.3G	20km	SFP+ & SC	C

Optical Sub-assembly
--- 10G ONU BOSA

- Single fiber bi-directional data links TX 10G or 2.5G or 1.25Gbps , RX 10Gbps application
- 3.3V power supply
- Selectable SC/UPC or SC/APC connector
- High power 1270nm or 1310nm DFB LD
- High sensitivity 1577nm APD

Product	Part No.	Rate	Distance	Connector	Temp. Range
XGS ONU	SCGX2699-BUGA	9.95G/9.95G	20km	SC/UPC ,SC/APC	C
XG ONU	SCGX2629-BUGA	2.5G/9.95G	20km	SC/UPC ,SC/APC	C
Symm. 10GEPON ONU	SCEX2677-BUGA	10.3G/10.3G	20km	SC/UPC ,SC/APC	C
Asym. 10G EPON ONU	SCEX3667-BUGA	1.25G/10.3G	20km	SC/UPC ,SC/APC	C

Wireless Transmission Networks
--- SFP+

Superxon 10G SFP+ transceivers are compliant to the latest releases of the SFP+ MSA, IEEE802.3ae.

- Supports bit rates up to 10Gbps
- 3.3V power supply
- Hot-pluggable capability
- SFP+ MSA Compliant

Product	Part No.	Rate	Wavelength	Distance	Connector	Temp. Range
SFP+ SR	SO0A8877-PLGA	10G	850nm	300m	LC	C
SFP+ LR	SO013377-PLGA	10G	1310nm	10km	LC	C, I
SFP+ ER	SO045577-PLGB	10G	1550nm	40km	LC	C, I
SFP+ ZR	SO085577-PLGA	10G	1550nm	80km	LC	C, I
SFP+ BIDI	SO0x2777-PLGA	10G	1270nm/1330nm	10~60km	LC	C, I
SFP+ BIDI	SO0x7277-PLGA	10G	1330nm/1270nm	10~60km	LC	C, I
SFP+ CWDM	SO0xCW77-PLGA-xx	10G	CWDM	10~40km	LC	C, E
SFP+ DWDM	SO0xD199-PLGA-xxx	10G	DWDM	40~80km	LC	C, I

Wireless Transmission Networks
--- 25G SFP28

Superxon 25G SFP28 transceivers are compliant to the latest releases of the SFP28 MSA, IEEE802.3cc.

- Supports bit rates up to 28Gbps
- 3.3V power supply
- Hot-pluggable capability
- SFP28 MSA Compliant

Product	Part No.	Rate	Wavelength	Distance	Connector	Temp. Range
SFP28 LR	SO0133FF-PLIGB	25GbE/CPRI	1310nm	10km	LC	C, -40~90℃
SFP28 BIDI	SO0X27FF-PLIGA	25GbE/CPRI	1270nm/1330nm	10~20km	LC	C, I
SFP28 BIDI	SO0X72FF-PLIGA	25GbE/CPRI	1330nm/1270nm	10~20km	LC	C, I
SFP28 CWDM	SO01CWFF-PLIGA-xx	25GbE/CPRI	CWDM	10km	LC	C, E
SFP28 MWDM	SO01CWFF-PLIGC-x	25GbE/CPR	MWDM	10km	LC	C, I
SFP28 LWDM	SO01LLFF-PLIGC-x	25GbE/CPR	LWDM	10km	LC	C, I
SFP28 DWDM	SO01D1FF-PLIGA-xxx	25GbE/CPRI	DWDM	10km	LC	C, I

Wireless Transmission Networks
--- 100G LR4 QSFP28

Superxon 100G LR4 QSFP28 transceivers are compliant to the latest releases of the QSFP28 MSA, IEEE 802.3ba. The 100G QSFP28 LR4 optical transceiver module adopts 4-channel 25G NRZ WDM technology (LWDM4), used in 100GBase-LR4 Ethernet and OTN OTU4 link. The transmission distance can reach up to 10km through single-mode optical fiber.

- Supports bit rates up to 103.125Gbps
- 3.3V power supply
- Hot-pluggable capability
- QSFP28 MSA Compliant
- 4-channel cooled LAN-WDM DFB laser and PIN ROSA
- Digital diagnostics functions are available via the I2C interface.

Product	Part No.	Wavelength	Distance	Connector	Temp. Range
100G LR4 QSFP28	SO01LLHH-QLGA	LWDM4	10KM	LC	C

Wireless Transmission Networks
--- 100G LR1 QSFP28

Superxon 100G LR1 QSFP28 transceivers are compliant to the latest releases of the QSFP28 MSA, IEEE802.3cu. 100G LR1 Optical transceiver module are designed for using in 100Gigabit Ethernet links over 10km single mode fiber.

- Supports bit rates up to 106.25Gbps
- 3.3V power supply
- Hot-pluggable capability
- QSFP28 MSA Compliant
- 1x106.25Gb/s(PAM4) optical interface
- 2x53.125Gb/s(PAM4) electrical interface
- Digital diagnostics functions are available via the I2C interface.

Product	Part No.	Wavelength	Distance	Connector	Temp. Range
100G LR1 QSFP28	SO0133HH-QLGA	1311nm	10km	LC	C