

The SONT logo is rendered in a bold, blue, sans-serif typeface. The letters are closely spaced, and the overall design is clean and modern. The background of the entire page features a series of thin, light blue, wavy lines that create a sense of motion and connectivity, particularly in the upper half.

SONT

Build a better connected world

Products & Solutions

SONT's mission is to offer customers high-quality optical interconnect solutions and enable the world to be better connected.

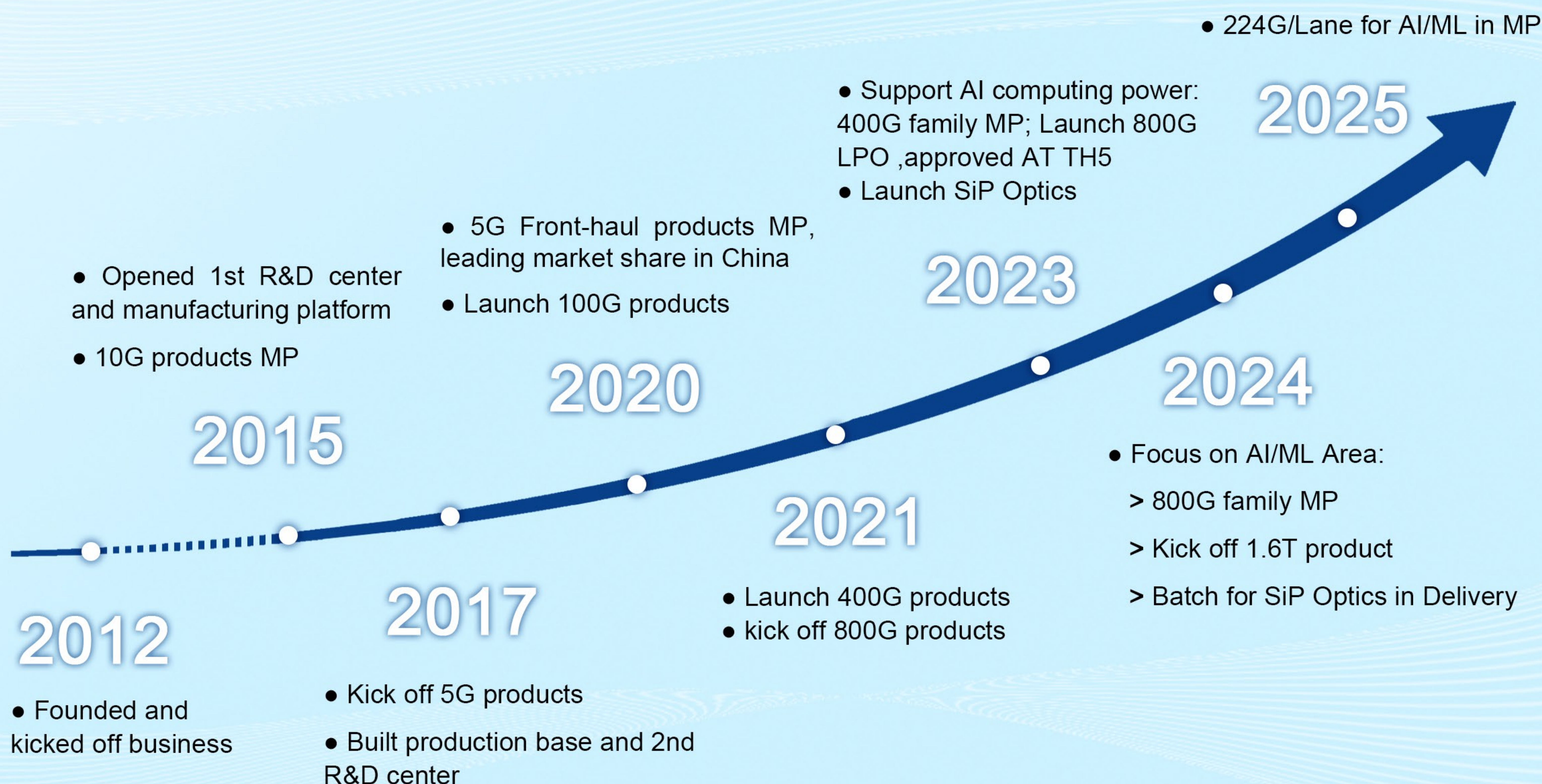
Headquartered in Shenzhen city, the technology hub of China, SONT Technologies Co., Ltd has become one of the nation's leading optical transceiver brands. The company focuses on transceiver R&D, manufacturing, sales and services. Having more than 30 field offices and warehouses across China, along with a manufacturing subsidiary in Jiangxi Province, the company is committed to on-time delivering quality products to both domestic and overseas telecom carriers, data centers, network equipment manufacturers, and system integrators.

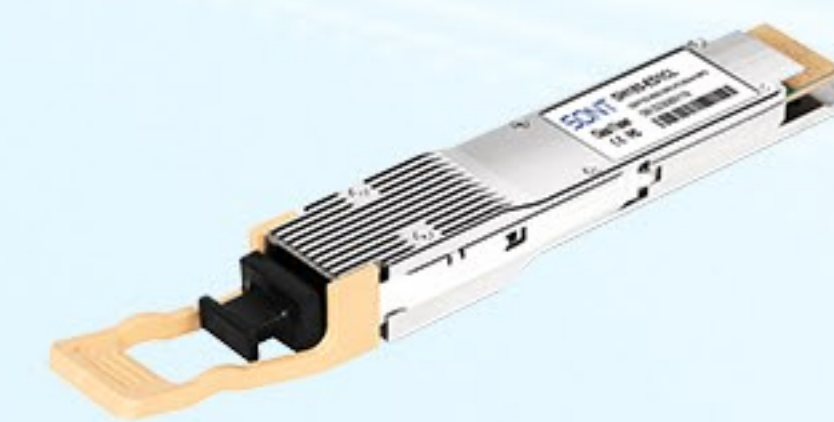
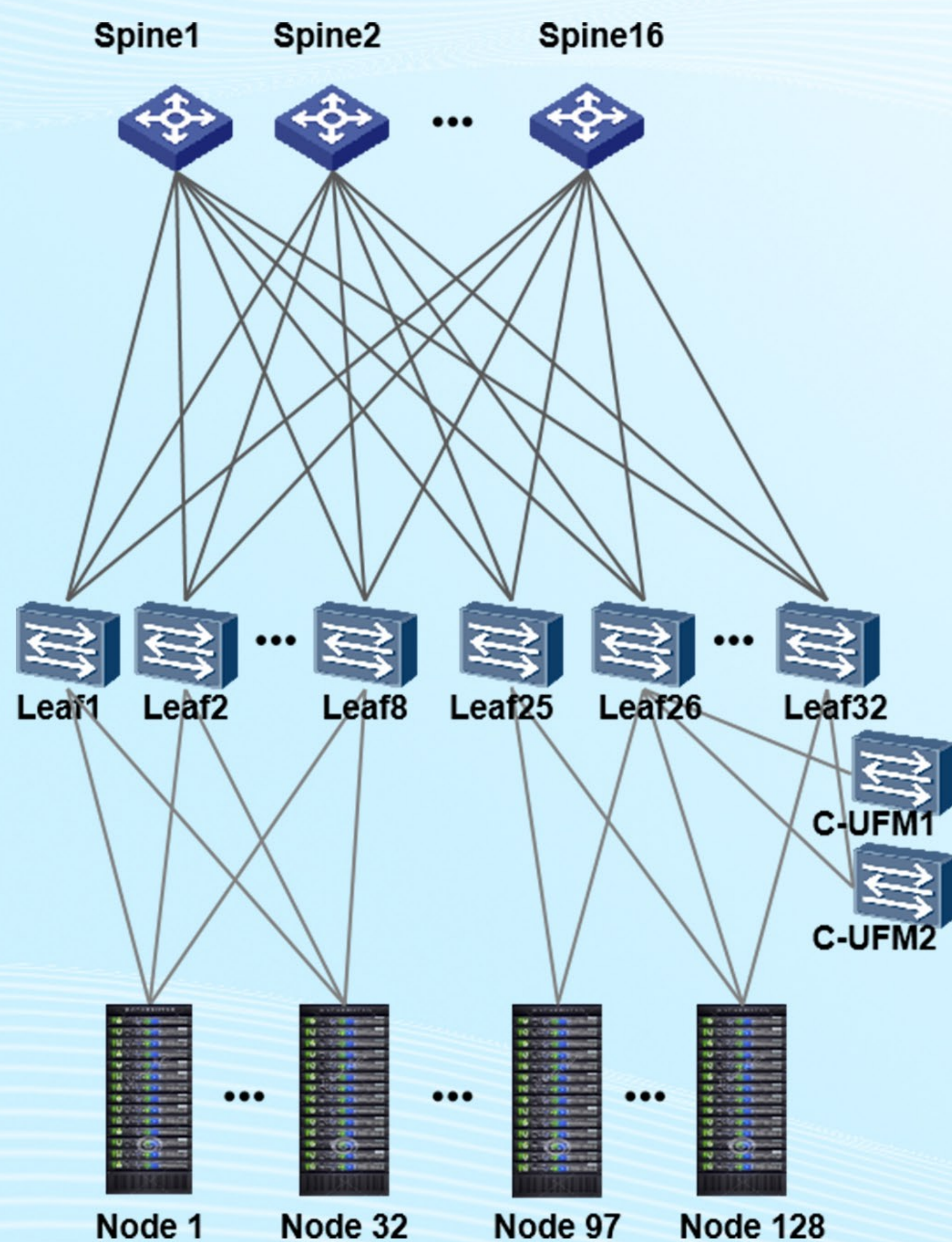
The executive team consists of industry veterans, who have accumulated more than 20 years of experience in transceiver R&D, manufacturing and management.

The engineering team specializes in high-density packaging, optoelectronic device integration and dense high-frequency circuit design, enabling SONT to develop and manufacture products with data rates ranging from 10Gbps to 1.6Tbps.

The company has been investing in key 200G/400G/800G technologies and products for IDC and DCI applications, with a special focus on products under the AI/ML application architecture, while also leading the market for 5G fronthaul transceiver solution in China.

Company Milestones





Data center interconnection

800G OSFP112 SR8/DR8
800G QSFP-DD SR8/DR8



Leaf to Spine Switch

800G OSFP112 SR8/DR8
800G QSFP-DD SR8/DR8
400G OSFP112 SR4/DR4
400G QSFP-DD SR4/DR4
400G QSFP112 SR4/DR4

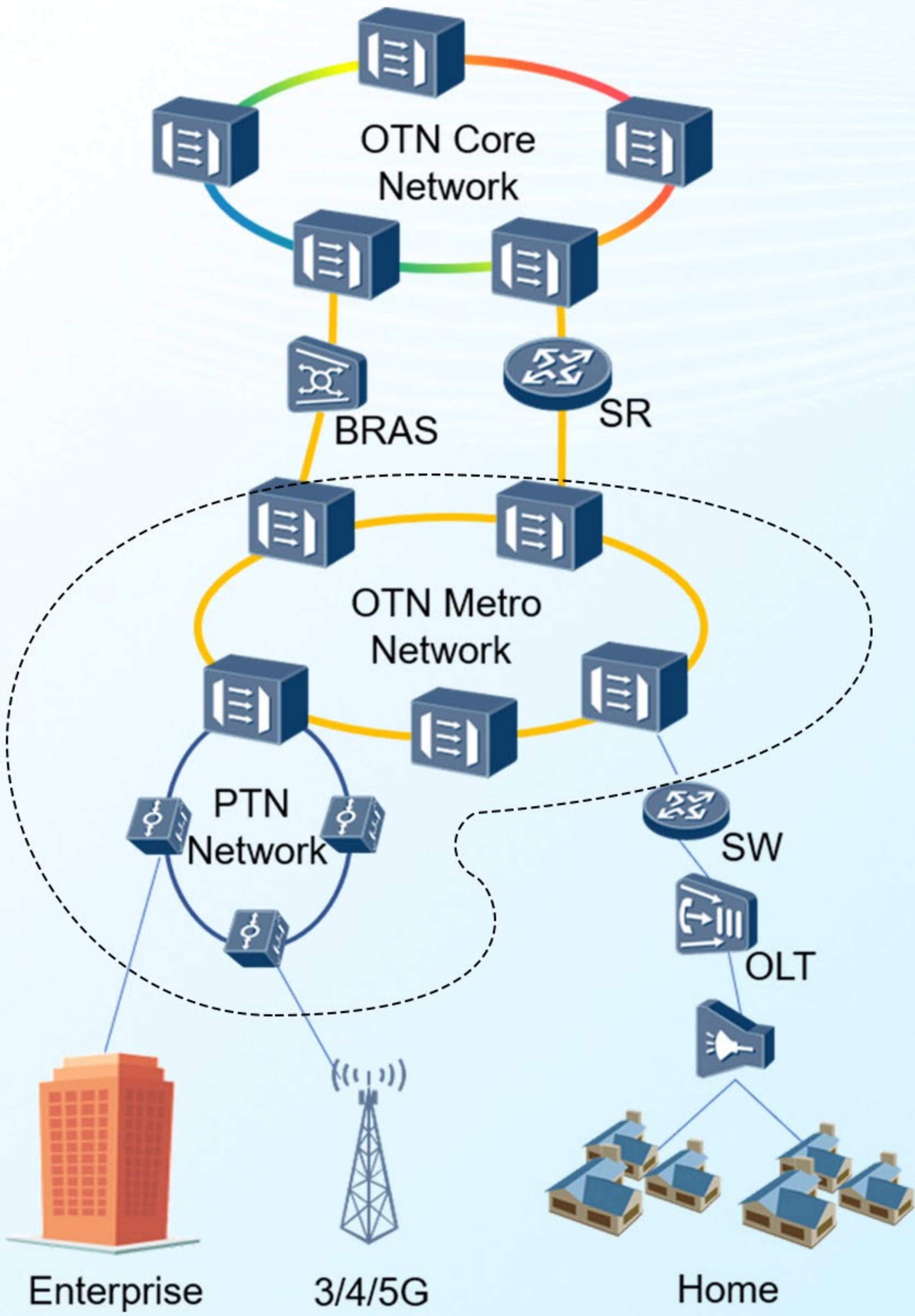


Server to Leaf Switch

400G OSFP112 SR4
400G QSFP112 SR4

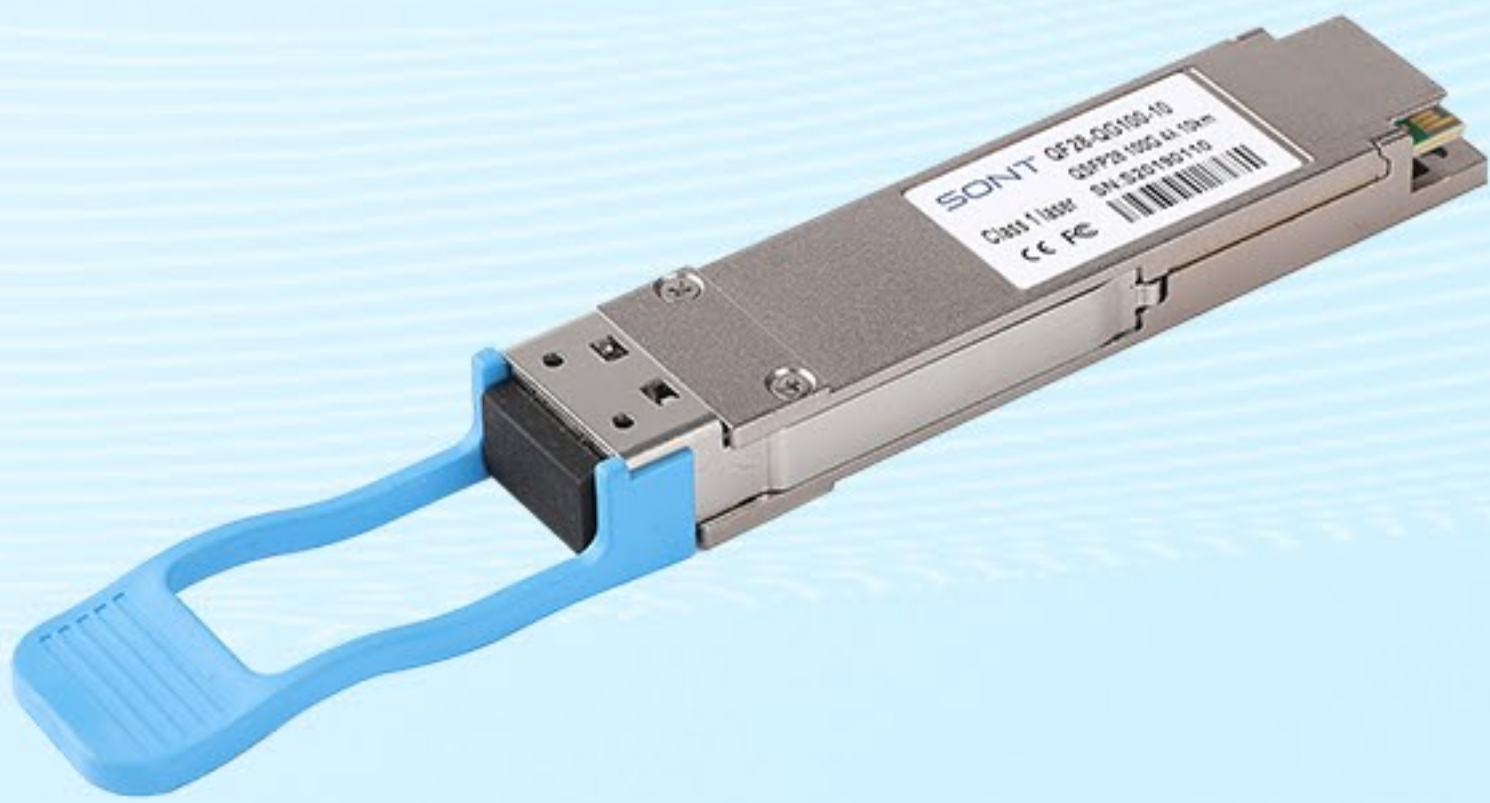
Product	P/N	Product Description	DataRate (Bit/s)	TX	RX	Reach	OutputPower (OMA,dBm)	Sensitivity (OMA,dBm)	Temperature (°C)
800G QSFP-DD800	DB185-EC5C	QSFP-DD800Gb/s2xVR4	800G	VCSEL	PIN	50m	-2.6~3.5	-4.4	C
	DB185-ED1C	QSFP-DD800Gb/s2xSR4	800G	VCSEL	PIN	100m	-2.6~3.5	-4.6	C
800G OSFP800	EB185-EC5C	OSFP 800Gb/s 2* VR4	800G	VCSEL	PIN	50m	-2.6~3.5	-4.4	C
	EB185-ED1C	OSFP 800Gb/s 2* SR4	800G	VCSEL	PIN	100m	-2.6~3.5	-4.6	C
	EH185-EC5CL	OSFP 800Gb/s SR8 (LPO)	800G	VCSEL	PIN	50m	-2.6~3.5	-4.6	C
	E43C4-E02C	OSFP 800Gb/s 2* FR4	800G	-	PIN	2km+	-0.2 ~ 3.7	-4.6	C
400G QSFP112	QM185-FC5C	QSFP112 400Gb/s VR4	400G	VCSEL	PIN	50m	-2.6~3.5	-4.4	C
	QM185-FD1C	QSFP112 400Gb/s SR4	400G	VCSEL	PIN	100m	-2.6~3.5	-4.6	C
	QM3P4-FD5C	QSFP112 400Gb/s DR4	400G	EML/SIP	PIN	500M	-0.8~ 4.2	-3.9	C
	Q27C4-F02C	QSFP112 400Gb/s FR4	400G	EML	PIN	2km	-0.2 ~ 3.7	-4.6	C
	Q27C4-F10C	QSFP112 400Gb/s LR4	400G	EML	PIN	10km	0.3~4.4	-4.6	C
400G OSFP800	EM185-FC5C	OSFP 400Gb/s VR4	400G	VCSEL	PIN	50m	-2.6~3.5	-4.4	C
	EM185-FD1C	OSFP 400Gb/s SR4	400G	VCSEL	PIN	100m	-2.6~3.5	-4.6	C
400G QSFP-DD	DH185-FD1C	QSFP-DD 400Gb/s SR8	400G	VCSEL	PIN	100m	-4.5 ~ 3	-6.5	C
	DM7P4-FD5C	QSFP-DD 400Gb/s DR4	400G	EML	PIN	500m	-0.8~ 4.2	-3.9	C
	D27C4-F02C	QSFP-DD 400Gb/s FR4	400G	EML	PIN	2km	-0.2 ~ 3.7	-4.6	C
	D27C4-F10C	QSFP-DD 400Gb/s LR4	400G	EML	PIN	10km	0.3~4.4	-4.6	C
200G QSFP56	QM185-LD1C	QSFP56 200Gb/s SR4	200G	VCSEL	PIN	100m	-4.5~3	-6.5	C

C:Commercial(0~70℃)/I:Industrial(-40~85 °C)



The rapid progress of communication networks demands highly reliable and high-capacity transmission products for both user-aggregated and backbone networks' high-bandwidth transmission. SONT's products have been utilized across various scenarios, including SDH, PTN, IPRAN, and WDM transmissions.

100G/40G Products



In Metro Network, 100G optical transceiver mainly includes QSFP28 SR4/CWDM4/LR4/ER4/ER4 Lite/ZR4, QSFP28 PAM4 DR1/FR1/LR1, 40G LR4/ER4. Comply with: IEEE Standards

Product	P/N	Product Description	Data Rate (Bit/s)	TX	RX	Reach	OutputPower (dBm)	Sensitivity (dBm)	Temperature (°C)
100G QSFP28	QF28MP-8G100-01	QSFP28 100Gb/s SR4	100G	VCSEL	PIN	100m	-8.4~2.4	-8.5	C
	QF28-C4G100-02	QSFP28 100Gb/s CWDM4	100G	DML	PIN	2km	-6.5~2.5	-10	C
	QF28MP-P4G100-02	QSFP28 100Gb/s PSM4	100G	DML	PIN	2km	-6~2	-10	C
	QF28-QG100-10/F	QSFP28 100Gb/s LAN-WDM	100G	DML	PIN	10km	-4.3~4.5	-8.6	C/I
	QF28-QG100-10D	QSFP28 100Gb/s LAN-WDM Dual rate	100G	DML	PIN	10km	-4.3~4.5	-8.6	C/I
	QF28-QG100-40L	QSFP28 100Gb/s LAN-WDM	100G	DML	APD	30km/40km (with FEC)	-2.5~6.5	-16.9	C
	QF28-QG100-40	QSFP28 100Gb/s LAN-WDM	100G	EML	PIN+SOA	40km	-2.9~2.9	-21.9	C
	QF28-QG100-80	QSFP28 100Gb/s LAN-WDM	100G	EML	PIN+SOA	80km	2~6.5	-26.9	C
	Q2731-HD5C	QSFP28 PAM4 DR1 100G	100G	EML	PIN	500m	-0.8~4	-5.9	C
	Q2731-H02C	QSFP28 PAM4 FR1 100G	100G	EML	PIN	2km	-0.2~4.2	-7.1	C
	Q2731-H10C	QSFP28 PAM4 LR1 100G	100G	EML	PIN	10km	0.7 ~4.7	-7.7	C
40G QSFP+	QF-C4G40-10	QSFP+ 40Gb/s CWDM	40G	DML	PIN	10km	-4.0~2.3	-13.7	C
	QF-C4G40-40	QSFP+ 40Gb/s CWDM	40G	DML	APD	40km	2~6	-20	C

C:Commercial(0~70°C)/I:Industrial(-40~85 °C)

SFP28/SFP+/SFP Products



SFP28/SFP+/SFP transceiver includes SR/LR, ER, ZR series.
Comply with:
IEEE Standards

Product	P/N	Product Description	Data Rate (Bit/s)	TX	RX	Reach	Output Power (dBm)	Sensitivity (dBm)	Temperature (°C)
25G SFP28	XP28-8G25-01/F	SFP28 25Gb/s 850nm 100m	25G	VCSEL	PIN	100m	-8.4~2.4	-10.3	C/I
	XP28-3G25-10 / F	SFP28 25Gb/s 1310nm 10km	25G	DML	PIN	10km	-7.0~2.0	-10.3	C/I
	XP28-3G25-40 / F	SFP28 25Gb/s 1310nm 40km	25G	DML	APD	40km	0~6.0	-19	C/I
10G SFP+	XP-8G10-01	SFP+ 10Gb/s 850nm 300m	10G	VCSEL	PIN	300m	-6~-1	-10	C
	XP-3G10-10/F	SFP+ 10Gb/s 1310nm 10km	10G	DML	PIN	10km	-6~-0.5	-14.4	C/I
	XP-3G10-40/F	SFP+ 10Gb/s 1310nm 40km	10G	DML	PIN	40km	-1~4	-15	C/I
	XP-5G10-40/F	SFP+ 10Gb/s 1550nm 40km	10G	EML	PIN	40km	-1~3	-15.8	C/I
	XP-5G10-80/F	SFP+ 10Gb/s 1550nm 80km	10G	EML	APD	80km	0~4	-23	C/I
1.25G SFP	SF-5G1-40/F	SFP 1.25Gb/s 1550nm 40km	1.25G	DML	PIN	40km	-5~0	-24	C/I
	SF-5G1-80/F	SFP 1.25Gb/s 1550nm 80km	1.25G	DML	PIN	80km	0~5	-26	C/I
	SF-5G1-120/F	SFP 1.25Gb/s 1550nm 120km	1.25G	DML	APD	120km	0~5	-31	C/I

C:Commercial(0~70°C)/I:Industrial(-40~85 °C)

AOC Products

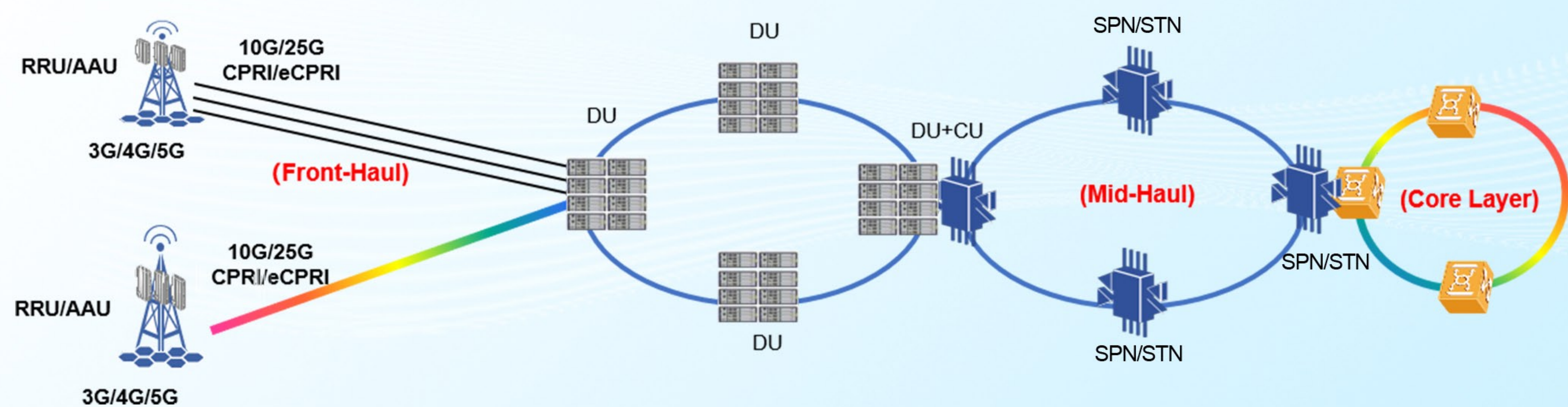


SONT AOC Solution includes 800g/400G/200G/100G /40G/25G/10G series.
Comply with:
IEEE Standards

Product	P/N	Product Description	Data Rate (Bit/s)	Wavelength (nm)	TX	RX	Reach	Temperature
800G	EA185-ExxCY	800G OSFP to 2x400G OSFP AOC	800G	-	-	PIN	1m~50m Other distances except above	C
	DA185-ExxCY	800G QSFP-DD to 2x400G QSFP112 AOC	800G	-	-	PIN	1m~50m Other distances except above	C
400G	DA185-FxxC	400G QSFP-DD AOC	400G	850nm	VCSEL	PIN	1m~100m Other distances except above	C
	QA185-FxxCE	400G QSFP112 to 400G OSFP AOC	400G	850nm	VCSEL	PIN	1m~50m Other distances except above	C
200G	QA185-LxxC	200G QSFP56 AOC	200G	850nm	VCSEL	PIN	1m~100m Other distances except above	C
100G	QF28AC-8G100-xx	QSFP28 100Gb/s 850nm AOC	100G	850nm	VCSEL	PIN	1m~100m Other distances except above	C
	QF28XP28AC-8G100-xx	100G QSFP28 to 4xSFP28 AOC	100G to 4* 25G	850nm	VCSEL	PIN	1m~100m Other distances except above	C
25G SFP28	XP28AC-8G25-xx	SFP28 25Gb/s 850nm AOC	25G	850nm	VCSEL	PIN	1m~100m Other distances except above	C
10G SFP+	XPAC-8G10-xxx	SFP+ 10Gb/s 850nm AOC	10G	850nm	VCSEL	PIN	1m~100m Other distances except above	C

C:Commercial(0~70°C)/I:Industrial(-40~85 °C)

5G/4G Solution for Telecom

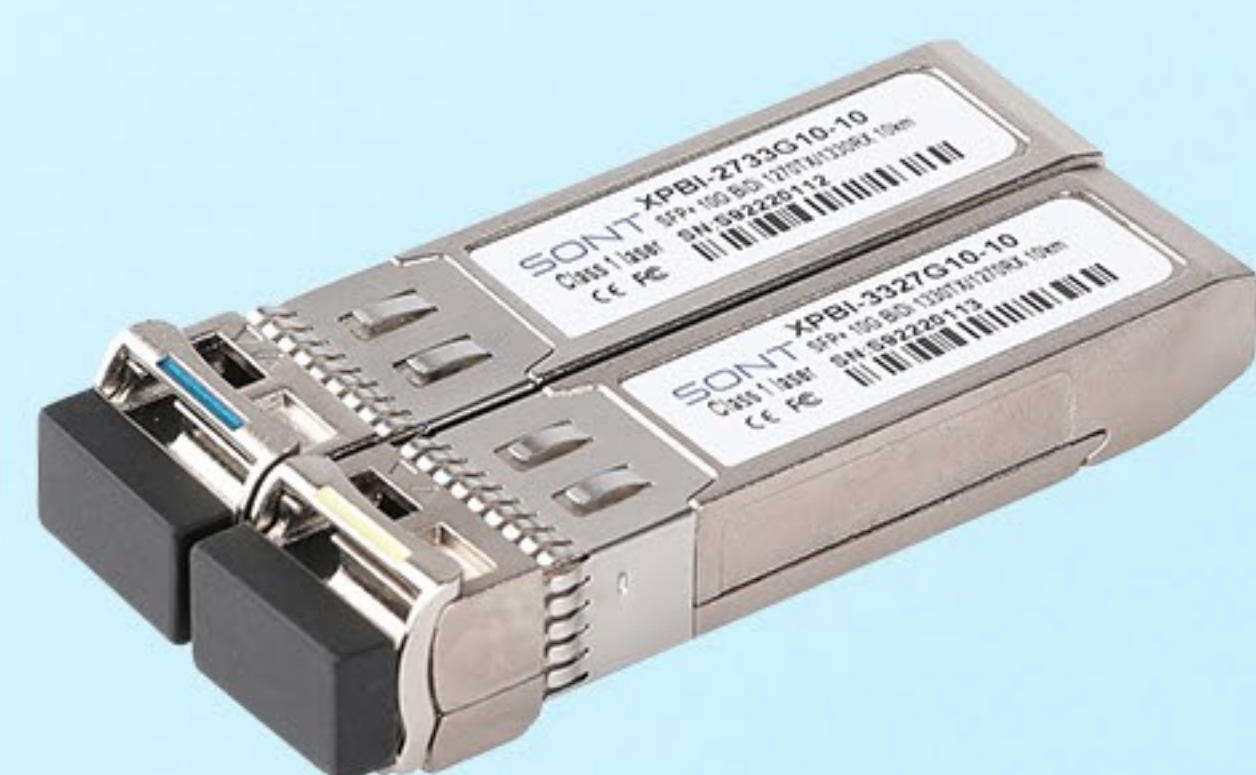


In 5G C-RAN architecture, to help improving fiber utilization, SONT offers two solutions:
1. Single Fiber Bidirectional(BIDI) solution; 2. Passive xWDM solution.

BIDI Products



Bidirectional (BIDI) technology offers reliable performance for high-precision synchronous transmission and saves 50% fiber resources.



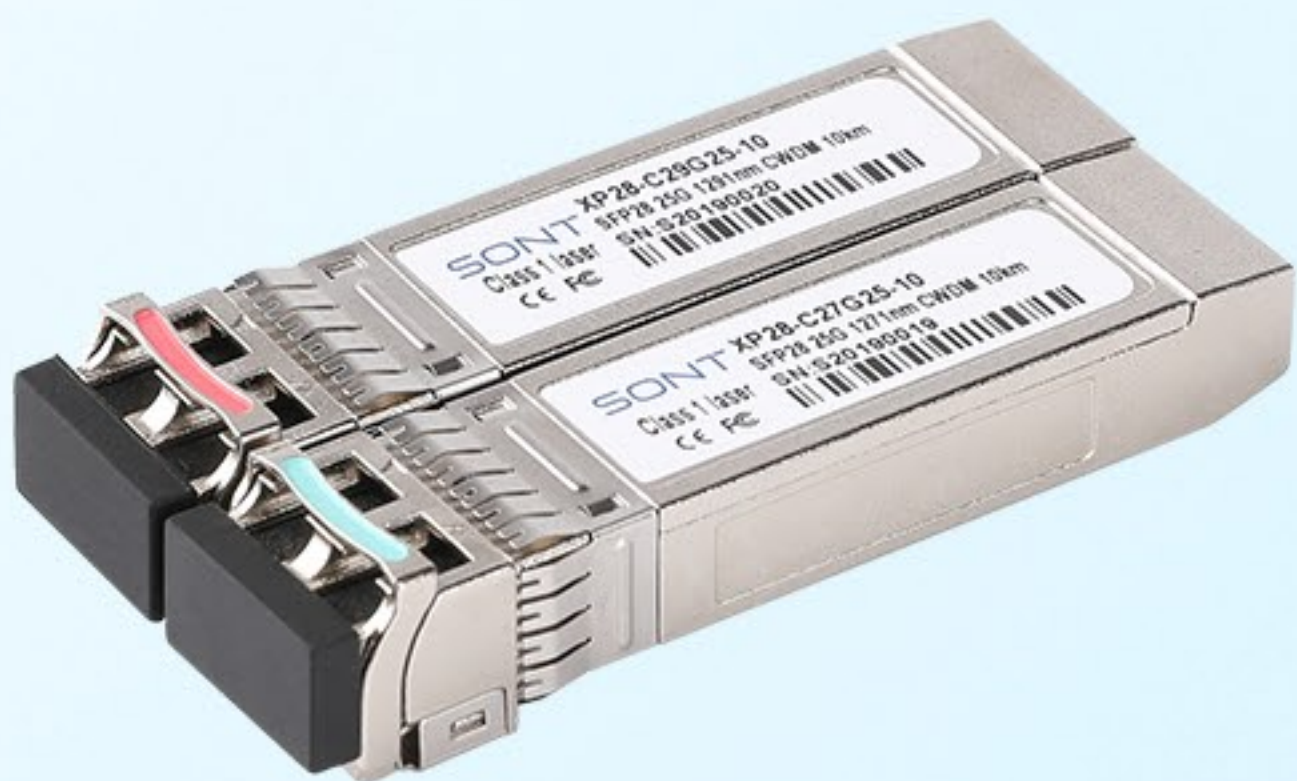
SONT BIDI Solution includes 25G SFP28 10/40km and 10G SFP+ 10/20/40/60/80km series.

Comply with:
CPRI & eCPRI
IEEE Standards

Product	P/N	Product Description	Data Rate (Bit/s)	TX/RX	Reach	Output Power (dBm)	Sensitivity (dBm)	Temperature
25G SFP28 BIDI	XP28BI-2733(3327)G25-10/F	25G BIDI 1270/1330nm 10km	25G	DML/PIN	10km	-2~4	-13.3	C/I
	XP28BI-2731(3127)G25-40/F	25G BIDI 1270/1310nm 40km	25G	DML/APD	40km	1~6	-17.5	C/I
10G SFP+ BIDI	XPBI-2733(3327)G10-10/F	10G BIDI 1270/1330nm 10km	10G	DML/PIN	10km	-3~2	-14.4	C/I
	XPBI-2733(3327)G10-20/F	10G BIDI 1270/1330nm 20km	10G	DML/PIN	20km	-2~4	-14.4	C/I
	XPBI-2733(3327)G10-40/F	10G BIDI 1270/1330nm 40km	10G	DML/PIN	40km	0~5	-15	C/I
	XPBI-2733(3327)G10-60/F	10G BIDI 1270/1330nm 60km	10G	DML/APD	60km	0~5	-20	C/I
	XPBI-45(54)G10-80/F	10G BIDI 1490/1550nm 80km	10G	EML/APD	80km	-1~4	-23	C/I

C:Commercial(0~70°C)/I:Industrial(-40~85°C)

xWDM Products for Fronthaul



SONT WDM optical transceiver includes C/D/L/M-WDM series.

Comply with:
CPRI & eCPRI
IEEE Standards

Product	P/N	Product Description	Data Rate (Bit/s)	TX	RX	Reach	Output Power (dBm)	Sensitivity (dBm)	Temperature
25G SFP28 DWDM	XP28-DxxG25-10/F	SFP28 25Gb/s DWDM 10km	25G	EML	PIN	10km	-1~5	-15	C/I
	XP28-DxxG25-15/F	SFP28 25Gb/s DWDM 15km	25G	EML	APD	15km	-1~5	-18.5	C/I
25G SFP28 CWDM	XP28-CxxG25-10	SFP28 25Gb/s CWDM 10km (1271~1371nm)	25G	DML	PIN	10km	0~6	-13.3	C/I
	XP28-CxxG25-10/F	SFP28 25Gb/s CWDM 10km (1471~1571nm)	25G	EML	PIN	10km	0~6	-13.3	C/I
	XP28-CxxG25-10+	SFP28 25Gb/s CWDM 10km (1271~1371nm)	25G	DML	APD	>10km	0~6	-18.5	C/I
	XP28-CxxG25-10+/F	SFP28 25Gb/s CWDM 10km (1471~1571nm)	25G	EML	APD	>10km	0~6	-18.5	C/I
25G SFP28 LWDM	XP28-LxG25-10/F	SFP28 25Gb/s LANWDM 10km	25G	EML	PIN	10km	0~6	-13.4	C/I
	XP28-LxG25-30/F	SFP28 25Gb/s LANWDM 30km	25G	EML	APD	30km	0~6	-18	C/I
25G SFP28 MWDM	XP28-MxG25-10/F	SFP28 25Gb/s MWDM 10km	25G	DML	PIN	10km	0~6	-14	C/I
10G SFP+DWDM	XP-DXXG10-40/F	SFP+ 10Gb/s DWDM 40km	10G	EML	PIN	40km	0~5	-15	C/I
	XP-DXXG10-80/F	SFP+ 10Gb/s DWDM 80km	10G	EML	APD	80km	0~5	-23	C/I
10G SFP+ CWDM	XP-CxxG10-10	SFP 10Gb/s CWDM 10km (1271~1611nm)	10G	DML	PIN	10km	-1~4	-14.4	C
	XP-CxxG10-40	SFP 10Gb/s CWDM 40km (1271~1411nm)	10G	DML	PIN	40km	1~6	-15	C
	XP-CxxG10-40/F	SFP 10Gb/s CWDM 40km (1471~1611nm)	10G	EML	PIN	40km	0~5	-15	C/I
	XP-CxxG10-80/F	SFP 10Gb/s CWDM 80km (1471~1611nm)	10G	EML	APD	80km	0~5	-23	C/I

C:Commercial(0~70°C)/I:Industrial(-40~85 °C)

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