

翔生科技有限公司  
JUMBO-SUN TECHNOLOGY CO., LTD.

# *Company Profile*

2019

[WWW.JSTT.COM.TW](http://WWW.JSTT.COM.TW)

# About JSTT

- Jumbo-Sun Technology Co., Ltd., founded in 2002, is a professional Taiwanese manufacturer of optical transceivers providing comprehensive and cost-effective product portfolios from 155M to 40G and up to 100G data rate, including CWDM/DWDM Solutions, GBIC and Copper SFP , BiDi SFP, 10G SFP+, QSFP+ ,QSFP28 Transponders, but also acts as agent for POE switches, as well as Managed and Unmanaged Switches and Converters.
- Jumbo-Sun has a rich history of supplying integrated active optical components to the fiber optic market and Ethernet connectivity. Solutions in the optical transceiver product line span a complete set of data rates, power levels, and wavelengths to address all of our consumer's needs. From its conception, Jumbo-Sun has continued to work with strong technical support teams, dedication in meeting consumer demands, and providing top-of-the-line service to our clientele base.
- Following our slogan, "Better Connections, Technology, Results", Jumbo-Sun is well prepared and well positioned to respond quickly to fluctuating market demands; while offering continual improvement and immediate response; and exceeding consumer expectations. We are interested in forging close personal relationships with our clients; for us, this is more than just a business, it is a long-term partnership. It is this unique approach, mind-set and way of doing business that is catapulting Jumbo-Sun into an eminent figure in the fiber optics industry.
- With strong foundations in our technical capabilities, our reliability, our focus and dedication in finding top quality products and prices, these distinguishing factors are a part of Jumbo-Sun's success and growing consumer loyalty. At Jumbo-Sun, we deliver a remarkable product mix and technological capability that allows our clientele base to differentiate them from the competition.
- **"Better Connections, Technology, Results"** is simply not just a motto; we are your solution.

# Company Information

Established since

8th May, 2003

VAT number

80190404

Address

F.-3, No.736, Zhongzheng Rd., Zhonghe Dist.,  
New Taipei City 23511, Taiwan (R.O.C.)

Telephone

886-2-8226-2808

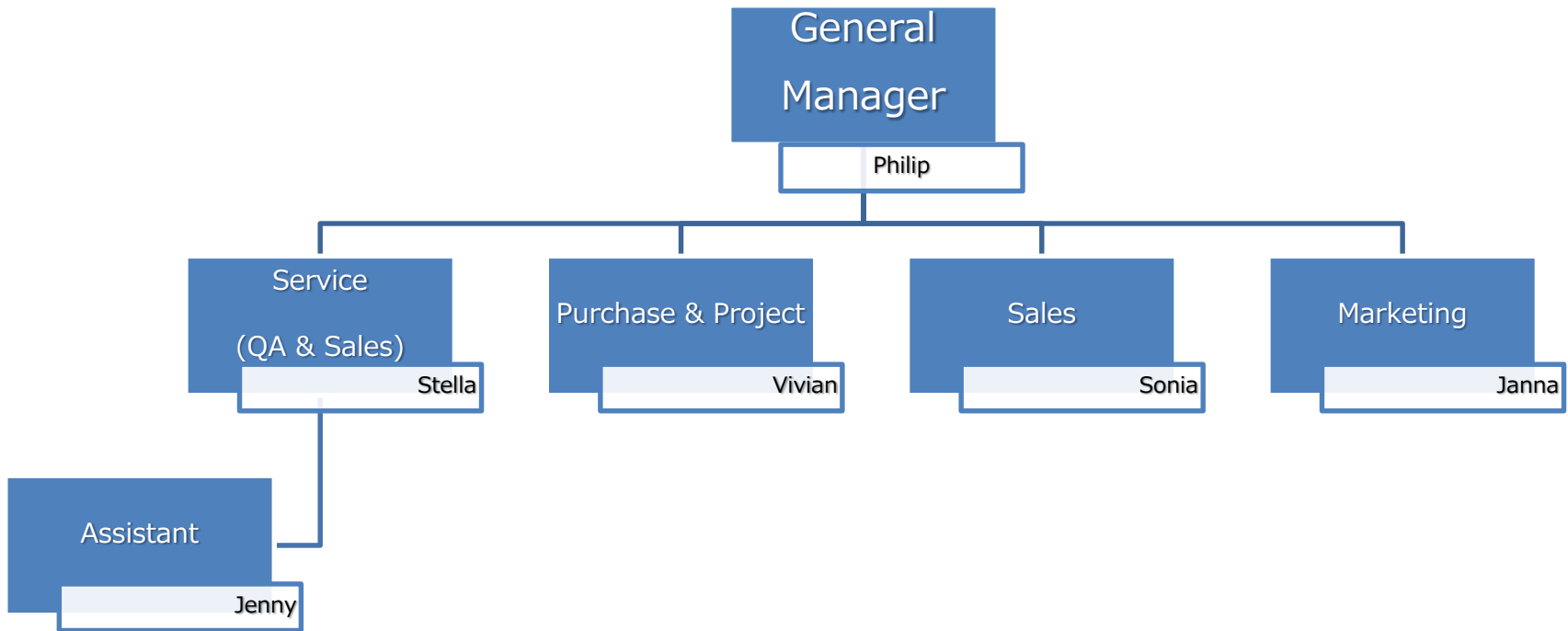
FAX

886-2-8226-2585

Website

<http://www.jstt.com.tw>

# Organizational Chart





# Certificates

FCC, CE



# Product Family



Optical  
Transceiver



Converter



Switch



# Product Family

## Direct Attach Cables



### DAC

- 10G SFP+ to SFP+: 1~10m;
- 25G SFP28 to SFP28: 1~5m;

### DAC

- 40G QSFP+ to QSFP+: 1~5m;
- 40G QSFP+ to 4xSFP+: 1~5m;
- 56G QSFP+ FDR: 1~3m;

### 100G DAC

- QSFP28 to QSFP28: 1~5m;
- QSFP28 to 2x 50G QSFP28: 1~5m;
- QSFP28 to 4xSFP28: 1~5m;

# Product Family

## Active Optical Cables



### ■ 100G AOC

- QSFP28 to QSFP28: 1~100m;
- QSFP28 to 4xSFP28: 1~100m;

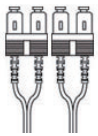


### ■ AOC

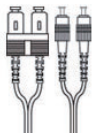
- 40G QSFP+ to QSFP+: 1~100m;
- 40G QSFP+ to 4xSFP+: 1~100m;
- 40G QSFP+ to 8LC: 1~100m;
- 56G QSFP+ FDR: 1~100m;



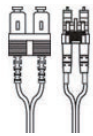
## Patch Cord Cables



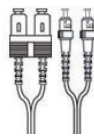
SC-SC



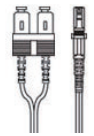
SC-FC



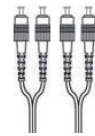
SC-LC



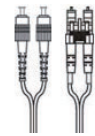
SC-ST



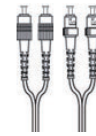
SC-MTRJ



FC-FC



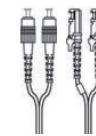
FC-LC



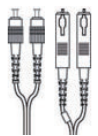
FC-ST



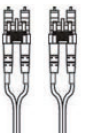
FC-MTRJ



FC-E2000



FC-MU



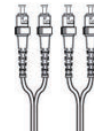
LC-LC



LC-ST



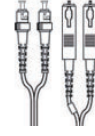
LC-MTRJ



ST-ST



ST-MTRJ



ST-MU



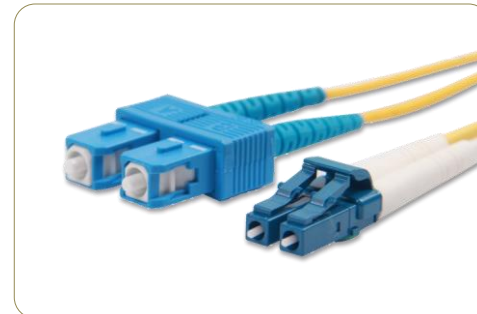
ST-E2000



MPO



Fanout  
Assemblies



LC  
MPO  
MTP  
MU  
SC  
ST  
FC  
E2000  
MT-RJ  
...

# Product Family

## NIC Cards(1~100Gb/s)



X520-DA2



X550-T2



XL710-25G



XL710-QDA1

Broadcom  
Mellanox  
Intel

# New Product -200G



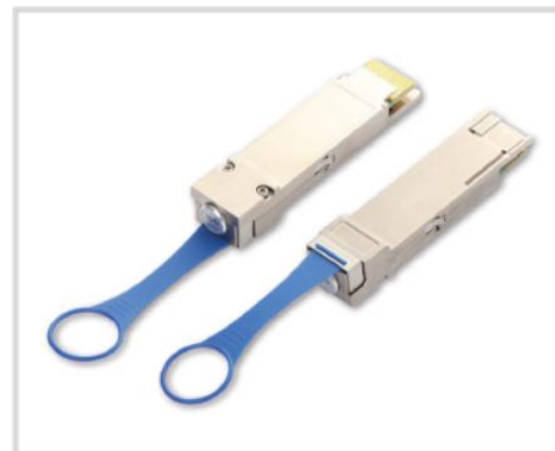
## ■ 200G AOC

- QSFP-DD AOC: 1~100m;



## ■ 200G DAC

- QSFP-DD DAC: 1~3m;
- QSFP-DD to 2x 100G QSFP28: 1~3m;
- QSFP-DD to 4x 50G QSFP28: 1~3m;



## ■ 200G Loopback

- QSFP-DD Loopback;
- QSFP-DD SR8;

# Product Road Map

		DAC		AOC	Transceivers					
		0-15M		0-100M	0-100M	0-220M	0-2KM	0-10KM	0-40KM	0-80KM
10-25Gb/s	SFP+	✓	✓	✓	SR	LRM	LR-L	LR	ER	ZR
	XFP	✓	✓		SR/SW			LR/EW	ER/EW	ZR/ZW
	25G SFP+	✓		✓	SR		TBD	LR		
40-56Gb/s	40G QSFP+ (QDR)	✓	✓	✓	SR4	eSR4	LR4-Lite LR4-L PSM	LR4 LR4-PSM		
	56G QSFP+ (FDR)	✓	✓	✓	SR4					
100Gb/s	QSFP28 (EDR)	✓	✓	✓	SR4		LR4-Lite CWDM4	LR4	ER4-Lite	
	CFP4		✓		SR4			LR4		
200Gb/s	QSFP-DD	✓	TBD	✓	SR8					



# Production Capacity

## Monthly Production Capacity



### ■ Transceivers

- SFP+: 50k/M
- QSFP+: 2-5k/M



### ■ AOC

- SFP+: 10k/M
- QSFP+: 2-5k/M



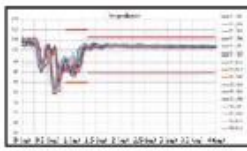
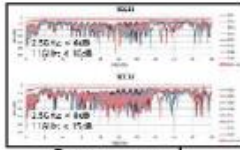
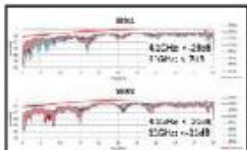
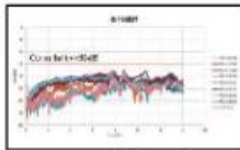
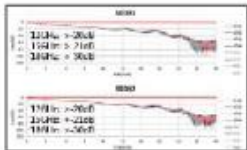
### ■ DAC

- SFP+: 50k/M
- QSFP+: 10k/M
- QSFP28: 5k/M

total production capacity per month is around 130,000 pcs.

## Testing Facilities

### Signal Integrity Lab

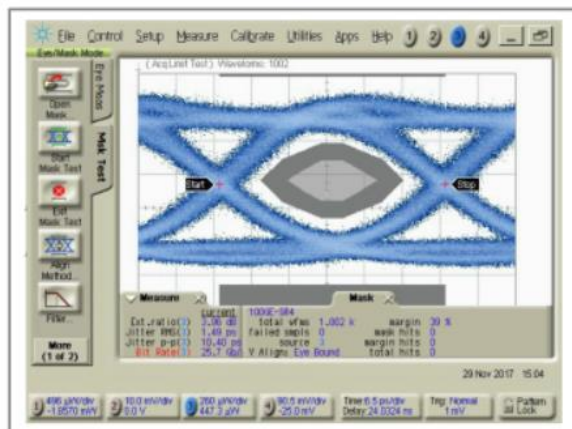


- HP54754A
- Agilent 86100A
- Agilent E507C 20G VNA
- Agilent N5224A 43G PNA



# Product Testing

Eye Pattern



**TRANSCEIVER  
&AOC**

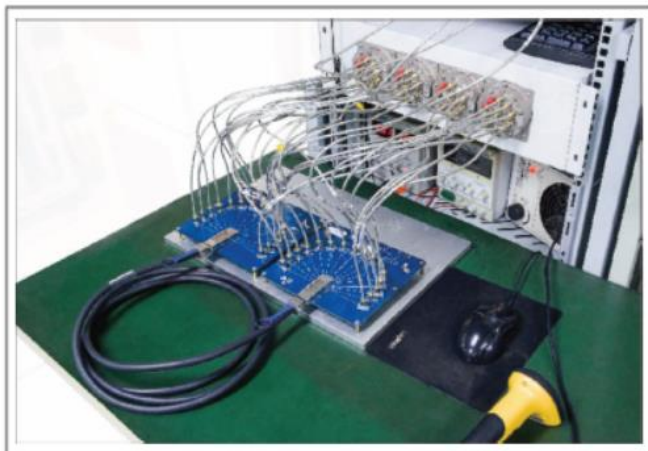
- Agilent 86105C
- Agilent 86105D
- Agilent 86107A
- Agilent 83485A
- Agilent 83486A
- Agilent 83487A
- Agilent Oscilloscope 86100A
- Agilent Oscilloscope 86100D





# Product Testing

## ■ PNA N5224A



200G

- Agilent 86100D
- Agilent 86105D-281
- Agilent 5224A 43G PNA
- Agilent 86107A-020
- Steligent BT6201 4\*30G Bert





1

## Transceivers

200G QSFP-DD, 100G QSFP28, 56G QSFP, 40G QSFP+, 25G SFP28, 10G SFP+ modules

2

## AOCs

200G QSFP-DD, 100G QSFP28, 56G QSFP, 40G QSFP+, 25G SFP28, 10G SFP+(1~100m)

3

## DACs

200G QSFP-DD, 100G QSFP28, 56G QSFP, 40G QSFP+, 25G SFP28, 10G SFP+(1~10m)

4

## Patch Cords

MPO, LC, SC, FC, ST etc.



5

## NIC Cards

X520-DA1/DA2, X540-T1/T2, X550-T1, X550-T2, X710-DA4 FH etc.

6

## PoE Switches

4-port, 8-port, 16-port, 24-port PoE switches

7

## Media Converters

10M/100M~10Gb/s, SMF/MMF; to SC/SFP/SFP+/XFP/UTP port; reach 550m~120km optional

8

## Mini-SAS Cables

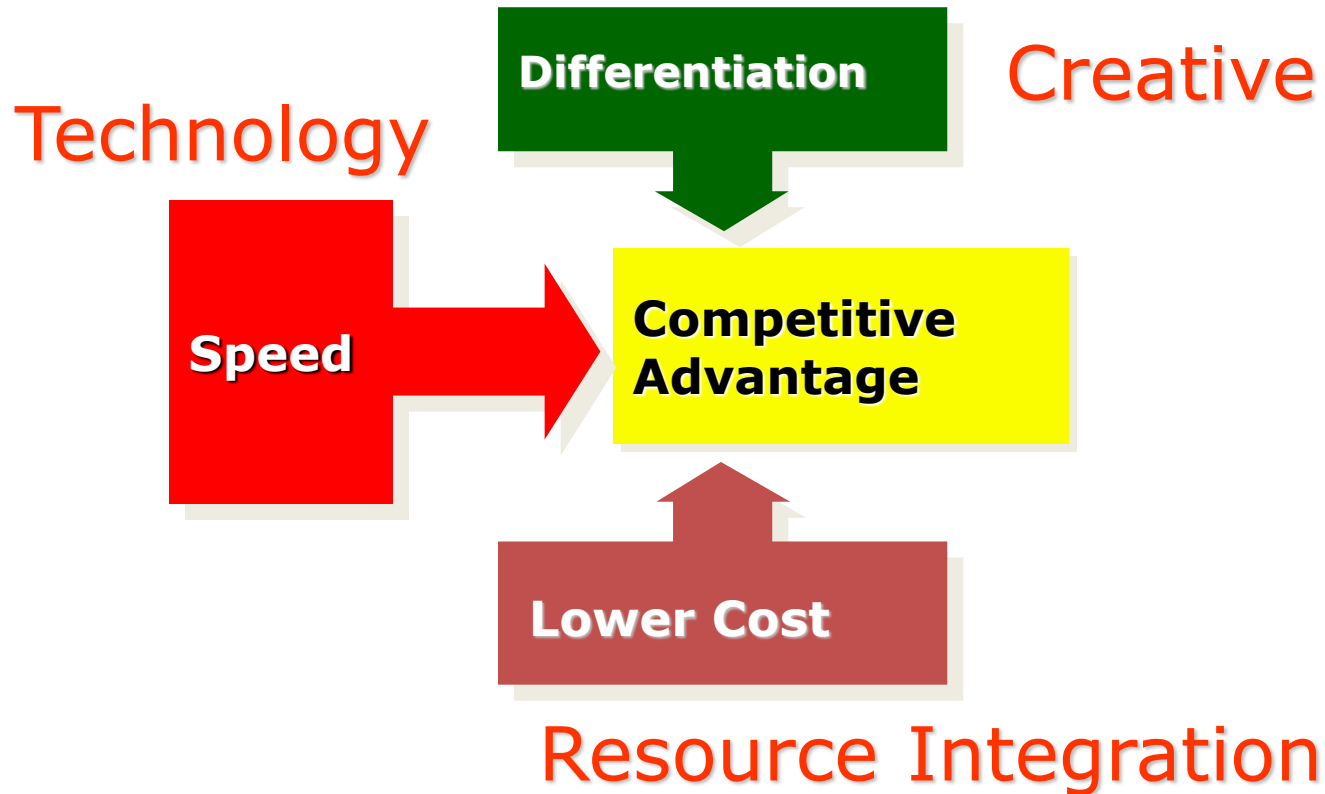
SFF-8087, SFF-8088, SFF-8643, SFF-7644, Hybrid cable, SFF-8087 3M cable etc.

# SFP Compatibility

SFP transceivers meeting the SFP Compatibility requirement are usually compatible across a range of telecoms vendors' hardware, therefore users can mix and match components from different vendors.

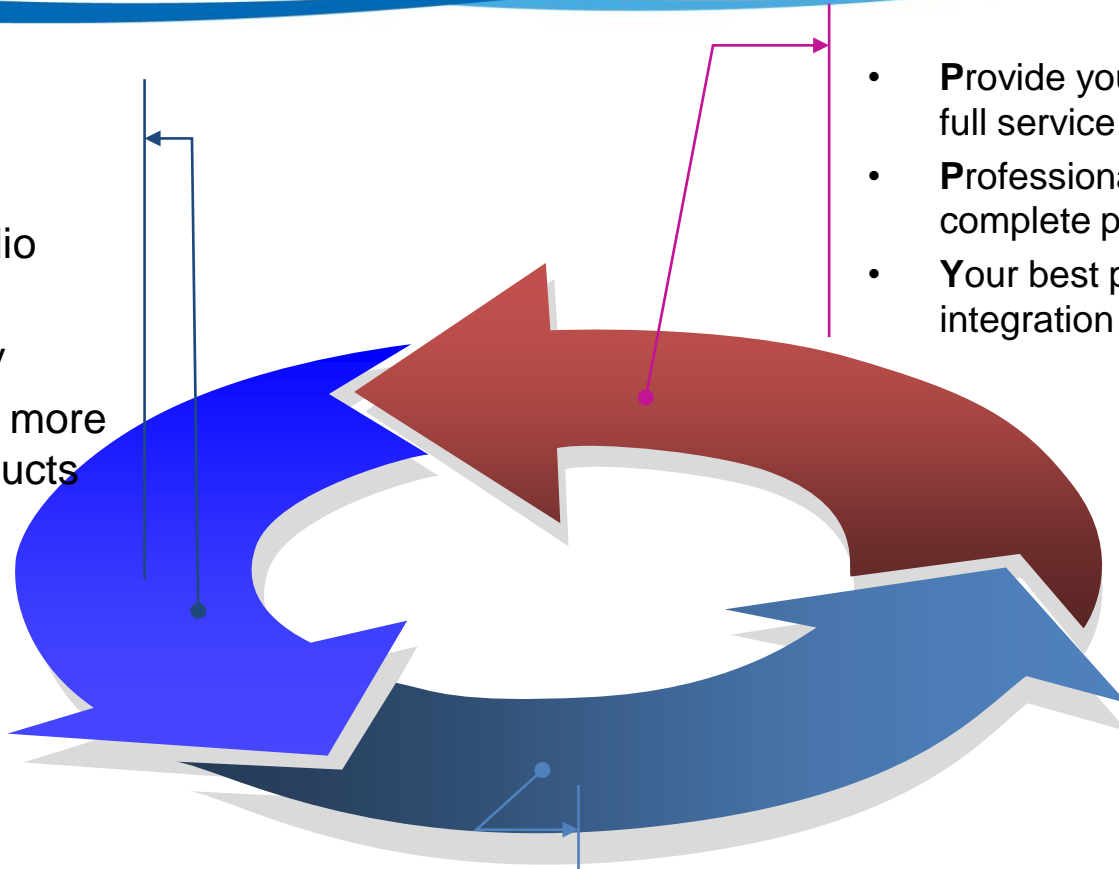


# Core Value



# Total Solution

- **Committed to** product portfolio applications
- **Input creativity**
- **To developing more** attractive products



- **Provide you a full purchase of the** full service
- **Professional consulting &** complete plan
- **Your best partners with high** integration

- **Well-known brand low-cost sales**
- **Reduce procurement costs and unit** marketing costs
- **Provide customers with lower prices**



# 翔生科技有限公司

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