

# Taclink

Product Catalog



Wuxi Taclink Optoelectronics Technology Co., Ltd. (formerly known as Wuxi Zhongxing Optoelectronics Technology Co., Ltd.) was founded in 2000 with his headquarter in Wuxi, China and locations in Chengdu, Shenzhen and Berlin, Germany.

Taclink is a leading designer and manufacturer of optoelectronic products:

- **Optical Amplifier Products**
- **Transceiver**
- **Optical Components**
- **Subsystems**

Supporting and partnering with a global customer base in the communication fields of:

- **Datacenter**
- **Telecom**
- **Wireless Access**
- **Fixed Access.**

Taclink's R&D teams in Wuxi and Chengdu are providing our customer with outstanding technologies and excellent products with highest quality standards. Taclink has created an open working environment for innovation and supporting the development of talented employees.





Since the company was established, Taclink has supported successfully many National Innovation Projects like National Optoelectronic Demonstration Project, National 863 Project and National Key Science and Technological Achievement Transformation Project. As a highlight, the "WDM Long-Distance Optical Transmission Project" was awarded the second prize by National Science and Technology.

As part of his corporate responsibility Taclink is helping universities and sponsoring postdoctoral researchers in Jiangsu Integrated Optoelectronic Engineering Technology Center, National Optoelectronic Technology Public Service Platform and other research and technology institutions.

# Transceiver Overview

400G	QSFP-DD	DR4 (New)	500m	PAM4
		FR4	2km	PAM4
		LR4	10km	PAM4
200G	CFP2	ER4	40km	PAM4
		LR4	10km	PAM4
	QSFP-DD	ER4 (New)	40km	PAM4
		LR4	10km	PAM4
100G	CFP	LR4	10km	NRZ
		ER4	40km	NRZ
		CFP - QSFP28 Adapter		
	CFP2	LR4	10km	NRZ
		ER4 Lite (New)	40km (FEC)	NRZ
		ER4	40km	NRZ
		ZR4 (New)	80km	NRZ
	QSFP28	PSM4 (New)	500m/2km	NRZ
		LR4	10km	NRZ
		ER4 Lite	30km	NRZ
		ER4	40km	NRZ
		ZR4	80km	NRZ
		Single Lambda LR1	10km	PAM4
Single Lambda ER1		40km	PAM4	
50G	QSFP28	LR	10km	PAM4
		ER	40km	PAM4
		ZR	80km	PAM4
	QSFP28 BIDI	LR - 1270/1330nm	10km	PAM4
		ER- 1295/1309nm	40km	PAM4
40G	QSFP+	CWDM4	2km/10km	NRZ
25G	SFP28	CWDM 6 λ 10km		
		MWDM 12 λ with OAM 10km		
		LANWDM 12 λ with OAM 10km		
		DWDM 16 λ O-Band 20km		
		SR/LR/ER		
	SFP28 BIDI	1270nm/1330nm up to 20km 1270nm/1310nm up to 40km		
10G	SFP+	CWDM 18 λ up to 20km		
		DWDM 16 λ O-Band 20km		
		SR/LR/ER/ZR		
		LR/ER/ZR with CDR		
	SFP+ BIDI	1270nm/1330nm up to 60km 1490nm/1550nm up to 80km		
		XFP	LR/ER/ZR	
	FTTx	10G EPON	ONU OLT	
XGPON		OLT		
below 10G	SFP	OSC SFP 155M/1.25G up to 150km		
		OTDR SFP		
		155M up to 150km 1.25G up to 120km 2.5G up to 80km 6G up to 80km	850nm	
			1310nm	
			1550nm	
			CWDM	
	DWDM			
SFP BIDI	1310nm/1490nm up to 60km 1310nm/1550nm up to 80km 1490nm/1550nm up to 120km			
FTTx	GPON	ONU OLT		
	EPON	OLT		

# Amplifier Overview

Application	Product	Picture	Features	Key Parameters
Pluggable	OSFP Dual EDFA		C-Band Dual EDFA in one OSFP pluggable gain module Single channel or broad band Input and output isolation I2C control interface	Input Power: -24~-12dBm Output Power: <15dBm Power consumption: <4W Mode: AGC/APC control
	QSFP EDFA		C-Band EDFA pluggable QSFP gain module Single channel or broad band Input and output isolation I2C control interface	Input Power: -15~0dBm Output Power: 0~10dBm Mode: AGC/APC control Power Consumption: <2W
	QSFP SOA		S-Band SOA pluggable QSFP gain module Single channel or narrow band Input and output isolation I2C control interface	Input Power: -20~-2dBm Output Power: 0~8dBm Power Consumption: <5w Mode: APC control
	SFP+ / XFP EDFA		C-Band EDFA pluggable SFP gain module One channel or narrow band Input and output isolation I2C control interface	SFP longer package size Input Power: -5~3dBm Output Power: 0~10dBm Power Consumption: <2W Mode: AGC/APC control
	CFP2 EDFA		C - or L - Band Excellent gain flatness Low noise figure Excellent transient control Single channel or broad band Multi-operating mode I2C control interface	Input Power: <0dBm Output Power: >20dBm NF: <5.5dB for C-Band Mode: AGC/APC control Configuration and performance performance can be customized
Compact	Mini EDFA		C-Band EDFA mini gain block Single channel or narrow band Input and output monitor Input and output isolation Output VOA optional	size: 35x18x5.5 mm, Smaller Input Power: -15..-10dBm Output Power: >4dBm Power Consumption: <2W Size to be customized or subassembly
DWDM System	EDFA-BA,PA,LA		C , C+, C++, L, L+ Band Excellent gain flatness Low noise figure Excellent transient control Multi-operating mode	Power: High power and High gain Gain ripple: <1.0dB typ. condition NF: <6.0dB for C-Band NF: <6.5dB for L-Band Mode: AGC, APC, ACC, Disable, APR Size and performance can be customized
	EDFA-VGA		C , C+, C++, L, L+ Band Excellent gain flatness Low noise figure Excellent transient control Multi-operating mode	Variable Gain Range: >10dB Power: >18dBm Gain flatness: <1.0dB typ. Condition NF: <6.5dB for C-Band NF: <7.0dB for C-Band Mode: AGC, APC, ACC, Disable, APR Size and performance can be customized
	EDFA-Reconfigurable		C , C+, C++, L, L+ Band Excellent gain flatness Low noise figure Excellent transient control Multi-operating mode	Optical Switch for 2 gain ranges Variable Gain Range: >10dB Power: >18dBm Gain flatness: <1.0dB typ. Condition NF: <6.0dB at maximum gain Mode: AGC, APC, ACC, Disable, APR Size and performance can be customized
	Array EDFA		Compact Size Excellent gain flatness Flexible output power Low noise	up to 8 x EDFAs e.g. 4 x ADD, 4 x DROP Power >14dBm for ADD; >20dBm for DROP Gain flatness; <0.7dB Mode: AGC, APC, ACC, Disable, APR Size and performance can be customized

Application	Product	Picture	Features	Key Parameters
Long Haul System	Raman Amplifier		C, L, or C+L Band High power Excellent gain flatness Low noise figure Pump power and input signal monitoring Module with heat dissipation optimization	Power: >1W On-Off Gain range: 10~20dB Gain flatness: <1.5dB Effective NF:<0dB Control mode: AGC/APPC Module size:220*130*25mm Rack: 2U 19" with AC or DC power supply Customizable
	Hybrid Amplifier		DRA plus EDFA-VGA AGC control for DRA and EDFA Low noise figure Excellent transient control Large dynamic adjustable range of gain and gain tilt Module with heat dissipation optimization	DRA: ●Gain: >10dB ●Gain flatness:<1.5dB ● AGC control ● Fiber: SSMF/G.652,Leaf/G.655 etc EDFA-VGA ●Variable Gain range: >10dB ●Power:>20dBm ●AGC control Module Size: 220*130*25mm Customizable
Lab Benchtop	Amplifier		C, C+, C++, L, L+ Band Low Noise figure Excellent flatness	Power: >20dBm Inputpower: -30..0dBm NF: <6.5dB for C-Band NF: <7.0dB for L-Band Flatness: 1.5dB Size: 260 x 330 x 100mm
	ASE		C, L, c+L Band High power Wide wavelength range Benchtop RS232 Interface	Power: >20dBm Stability: ±0.02db @ 25°C Flatness: 1.5dB for C-Band Size: 260 x 330 x 100mm
CATV	High Power Amplifier Module		EYEFA using multimode technology Low Noise Figure Single Input/ Multiple output port configuration	Up to 16ports or 32ports Wavelength: 1550nm +/-10nm Power: 27 - 33dBm NF: <6dB Module Size: 300 x 200 x 50mm
	Rack Mounted High Power Amplifier		EYEFA using multimode technology Low Noise Figure 1310/1490nm channel Add Drop Single Input/ Multiple output port configuration	Up to 32ports Wavelength: 1550nm +/-10nm Power: 27 - 33dBm NF: <6dB xPon wavelengths 1310nm and 1490nm 2U 19" rack
Subsystem	OEO/FEC		2.5G/10G OEO/FEC 3R and wavelength conversion FEC coding/decoding SBS suppression Ethernet interface remote control RS232 contro interface Rack Mounted	2.5G/10G Client side: Short distance tranceiver Line Side: Long distance tranceiver SBS suppression: 3~5dB higher than the 1U 19" rack Customizable
	SOA		O-Band, S-Band, 2x,4x,12x array Working at linear range Multi work modes Module or rack mounted RS232 interface	O-Band: 1290~1330nm S-Band: 1480~1510nm Input power: -25~-3dBm Output Power: <=10dBm Control Mode: APC and ACC Customizable
	Amplifier		C, C+, C++, L, L+ Band Excellent gain flatness Low noise figure Excellent transient control Multi-operating mode	Power: High power and High gain Gain ripple: <1.0dB typ. condition NF: <6.0dB for C-Band NF: <6.5dB for C-Band Mode: AGC, APC, ACC, Disable, APR 1U 19" rack

# Contact



## 无锡市德科立光电技术有限公司 WUXI TACLINK OPTOELECTRONICS TECHNOLOGY CO., LTD.

Add: Block 93-C, Science & Tech. Industry Park, Xinwu District,  
Wuxi, Jiangsu, P.R. China 214028

Domestic contacts: Gary Yang    Tel: +86 188 6150 8869

International contacts: Tony Xu    Tel: +86 138 1229 0333

E-mail: [sales@taclink.com](mailto:sales@taclink.com)

Web: [www.taclink.com](http://www.taclink.com)

