

Product Name	GAOTek 100G Optical Transceiver Module
Product SKU	GAOTek-SFPT- 102
Product URL	https://gaotek.com/product/gaotek-100g- optical-transceiver-module/

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#### Contents

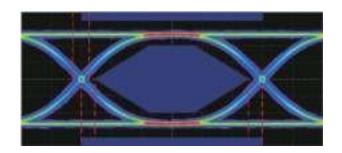
100G QSFP28:	3
40G QSFP+ :	
25G SFP28 :	5
10G SFP+ :	6
1.25G SFP :	7
155m & 2.5G SFP :	8
1 *9 :	
AOC/DAC:	
Infiniband AOC/DAC:	12
QSFP-DD 400G:	14



# **GAOTek 100G Optical Transceiver Module**

#### 100G QSFP28:





Package	Part No.	Data Rate	Wavelenth	Distance	Source	Outpu t Power (dBm)	Sensitivity (dBm)	Connector	<b>Temp</b> (
QSFP+LR4	YXF-QP-S31L-2D	40G	1270/1290/1310/1330	2km	CWDM DFB/PIN	-7~3	<b>≤−11.</b> 5	LC	0~70
QSFP+LR4	YXF-QP-S31L-10D	40G	1270/1290/1310/1330	10km	CWDM DFB/PIN	-6~-1	<b>≤−1</b> 4	LC	0~70
QSFP+PLR4	YXF-QP-S31M-10D	40G	1270/1290/1310/1330	10km	CWDM DFB/PIN	-6~-1	<b>≤−1</b> 4	MPO	0~70
QSFP+ER4	YXF-QP-S31L-40D	40G	1270/1290/1310/1330	40km	CWDM DFB/APD	-2~5	≤−21	LC	0~70
QSFP+ZRI4	YXF-QP-S31L-60D	40G	1270/1290/1310/1330	60km	CWDM DFB/APD	2~5	≤-26	LC	0~70
QSFP+ZR4	YXF-QP-S31L-80D	40G	1310nm	80km	LWDM DFB/APD	3~6	≤-28	LC	0~70
QSFP+SR4	YXF-QP-M85M-01D	40G	850nm	100m	VCSEL/PIN	-7.5~1	≤−11	MPO	0~70
QSFP+CSR4	YXF-QP-M85M-03D	40G	850nm	300m	VCSEL/PIN	-6.5~2	≤−11	MPO	0~70
QSFP+SR-BD	YXF-QP-M85L-01D	40G	850nm	100m	VCSEL/PIN	-4~5	<b>≤</b> −7	LC	0~70



## 40G QSFP+:



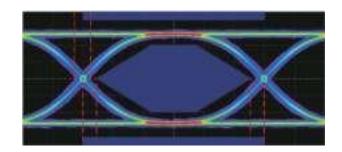


Package	Part No.	Data Rate	Wavelenth	Distance	Source	Output Power (dBm)	Sensitivity (dBm)	Connector	Temp (
QSFP+LR4	YXF-QP-S31L-2D	40G		2km	CWDM DFB/PIN	-7~3	≤−11.5	LC	0~70
QSFP+LR4	YXF-QP-S31L-10D	40G	1270/1290/1310/1330	10km	CWDM DFB/PIN	-6~-1	≤−14	LC	0~70
QSFP+PLR4	YXF-QP-S31M-10D	40G	1270/1290/1310/1330	10km	CWDM DFB/PIN	-6~-1	<b>≤−1</b> 4	MPO	0~70
QSFP+ER4	YXF-QP-S31L-40D	40G	1270/1290/1310/1330	40km	CWDM DFB/APD	-2~5	≤−21	LC	0~70
QSFP+ZRI4	YXF-QP-S31L-60D	40G	1270/1290/1310/1330	60km	CWDM DFB/APD	2~5	≤-26	LC	0~70
QSFP+ZR4	YXF-QP-S31L-80D	40G	1310nm	80km	LWDM DFB/APD	3~6	≤-28	LC	0~70
QSFP+SR4	YXF-QP-M85M-01D	40G	850nm	100m	VCSEL/PIN	-7.5~1	≤−11	MPO	0~70
QSFP+CSR4	YXF-QP-M85M-03D	40G	850nm	300m	VCSEL/PIN	-6.5~2	≤-11	MPO	0~70
QSFP+SR-BD	YXF-QP-M85L-01D	40G	850nm	100m	VCSEL/PIN	-4~5	<b>≤</b> −7	LC	0~70



#### 25G SFP28:



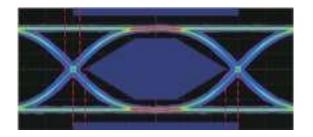


Package	Part No.	Data Rate	Wavelenth	Distance	Source	Output Power (dBm)	Sensitivity (dBm)	Connector	Temp
SFP28 SR	YXF-S28-M85L-01D	25G	850nm	100m	VCSEL/PIN	-8~3	≤−11	LC	0~70
SFP28 LR	YXF-S28-S31L-10D	25G	1310nm	10km	DFB/PIN	-7~3	≤− <b>11.</b> 5	LC	0~70
SFP28ER	YXF-S28-S31L-30D	25G	1310nm	30km	DFB/APD	-2~4	≤-19	LC	0~70
SFP28 ER	YXF-S28-S31L-40D	25G	1310nm	40km	DFB/APD	0~6	≤-19	LC	0~70
SFP 28 BIDI	YXF-S28-CXXM-10D	25G	1271–1371nm	10km	CWDM DFB/PIN	<b>−1</b> ~5	≤-14	LC	0~70
SFP 28 BIDI	YXF-S28-B23L-10D	25G	Tx1270nm/Rx1330nm	10km	DFB/PIN	-2~4	≤-13	LC	0~70
SFP 28 BIDI	YXF-S28-B32L-10D	25G	Tx1330nm/Rx1270nm	10km	DFB/PIN	-2~4	≤-13	LC	0~70
SFP 28 BIDI	YXF-S28-B23L-40D	25G	Tx1270nm/Rx1330nm	40km	DFB/APD	0~6	≤-19	LC	0~70
SFP 28 BIDI	YXF-S28-B32L-40D	25G	Tx1330nm/Rx1270nm	40km	DFB/APD	0~6	≤-19	LC	0~70







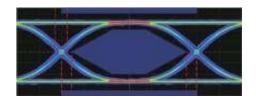


Package	Part No.	Data Rate	Wavelenth	Distance	Source	Output Power (dBm)	Sensitivity (dBm)	Connector	Temp (
SFP+LR	YXF-PP-S31L-2D	10G	1310nm	2km	DFB/PIN	<b>-7~1</b>	<-12	LC	0–70
SFP+LR	YXF-PP-S31L-20D	10G	1310nm	20km	DFB/PIN	-6~1	<-14	LC	0-70
SFP+ER	YXF-PP-S31L-40D	10G	1310nm	40km	DFB/PIN	1~5	<-15	LC	0-70
SFP+ER	YXF-PP-S55L-40D	10G	1550nm	40km	EML/PIN	-2~5	<-15	LC	0-70
SFP+ZR	YXF-PP-S55L-80D	10G	1550nm	80km	EML/APD	<b>−1</b> ~5	<-23	LC	0-70
SFP+BIDI	YXF-PP-B23L-3D	10GBIDI	Tx1270nm/Rx1330nm	3km	DFB/PIN	-7~1	<-12	LC	0-70
SFP+BIDI	YXF-PP-B32L-3D	10GBIDI	Tx1330nm/Rx1270nm	3km	DFB/PIN	-7~1	<-12	LC	0-70
SFP+BIDI	YXF-PP-B23L-10D	10GBIDI	Tx1270nm/Rx1330nm	10km	DFB/PIN	-7~1	<-14	LC	0-70
SFP+BIDI	YXF-PP-B32L-10D	10GBIDI	Tx1330nm/Rx1270nm	10km	DFB/PIN	-7~1	<-14	LC	0-70
SFP+BIDI	YXF-PP-B23L-20D	10G BIDI	Tx1270nm/Rx1330nm	20km	DFB/PIN	-6~1	<-14	LC	0-70
SFP+BIDI	YXF-PP-B32L-20D	10GBIDI	Tx1330nm/Rx1270nm	20km	DFB/PIN	-6~1	<-14	LC	0-70
SFP+BIDI	YXF-PP-B23L-40D	10G BIDI	Tx1270nm/Rx1330nm	40km	DFB/PIN	1~5	<-15	LC	0-70
SFP+BIDI	YXF-PP-B32L-40D	10G BIDI	Tx1330nm/Rx1270nm	40km	DFB/PIN	1~5	<-15	LC	0-70
SFP+BIDI	YXF-PP-B23L-60D	10G BIDI	Tx1270nm/Rx1330nm	60km	DFB/APD	1~5	<-23	LC	0-70
SFP+BIDI	YXF-PP-B32L-60D	10G BIDI	Tx1330nm/Rx1270nm	60km	DFB/APD	1~5	<-23	LC	0-70
SFP+BIDI	YXF-PP-B45L-80D	10GBIDI	Tx1490nm/Rx1550nm	80km	EML/APD	0~5	<-23	LC	0-70
SFP+BIDI	YXF-PP-B54L-80D	10GBIDI	Tx1550nm/Rx1490nm	80km	EML/APD	0~5	<-23	LC	0-70
SFP+CWDM	YXF-PP-CXXL-10D	CWDM 10G	1270nm~1610nm	10km	DFB/PIN	-7~1	<-14	LC	0-70
SFP+CWDM	YXF-PP-CXXL-40D	CWDM 10G	1270nm~1610nm	40km	EML/PIN	-2~5	<-15	LC	0-70
SFP+CWDM	YXF-PP-CXXL-80D	CWDM10G	1470nm~1610nm	80km	EML/APD	<b>−1~</b> 5	<-23	LC	0-70
SFP+DWDM	YXF-PP-DXXL-40D	DWDM10G	CH20-CH60	40km	EML/PIN	-2~5	<-15	LC	0-70
SFP+DWDM	YXF-PP-DXXL-80D	DWDM10G	CH20-CH60	80km	EML/APD	<b>−1~</b> 5	<-23	LC	0-70



## 1.25G SFP :





Package	Part No.	Data Rate	Wavelenth	Distance	Source	Output Power (dBm)	Sensitivi ty (dBm)	Connector	Temp ( )
SFP SX	YXF-GE-M85L-05D	1.25G	850nm	550M	VCSEL/PIN	-9~-3	<-18	LC	0~70
SFP LX	YXF-GE-S31L-20D	1.25G	1310nm	20km	FP/PIN	-9~-3	<-22	LC	0~70
SFP EX	YXF-GE-S31L-40D	1.25G	1310nm	40km	DFB/PIN	-5~0	<-24	LC	0~70
SFP ZX	YXF-GE-S55L-80D	1.25G	1550nm	80km	DFB/PIN	-2~-5	<-26	LC	0~70
SFP ZX	YXF-GE-S55L-120D	1.25G	1550nm	120km	DFB/PIN	1~5	<-30	LC	0~70
SFP BIDI	YXF-GE-B35L-3D	1.25G BIDI	Tx1310nm/Rx1550nm	3km	FP/PIN	-9~-3	<-21	LC	0~70
SFP BIDI	YXF-GE-B53L-3D	1.25G BIDI	Tx1550nm/Rx1310nm	3km	FP/PIN	-9~-3	<-21	LC	0~70
SFP BIDI	YXF-GE-B35S-3D	1.25G BIDI	Tx1310nm/Rx1550nm	3km	FP/PIN	-9~-3	<-21	SC	0~70
SFP BIDI	YXF-GE-B53S-3D	1.25G BIDI	Tx1550nm/Rx1310nm	3km	FP/PIN	-9~-3	<-21	SC	0~70
SFP BIDI	YXF-GE-B35L-20D	1.25G BIDI	Tx1310nm/Rx1550nm	20km	FP/PIN	-9~-3	<-22	LC	0~70
SFP BIDI	YXF-GE-B53L-20D	1.25G BIDI	Tx1550nm/Rx1310nm	20km	DFB/PIN	-9~-3	<-22	LC	0~70
SFP BIDI	YXF-GE-B35S-20D	1.25G BIDI	Tx1310nm/Rx1550nm	20km	FP/PIN	-9~-3	<-22	SC	0~70
SFP BIDI	YXF-GE-B53S-20D	1.25G BIDI	Tx1550nm/Rx1310nm	20km	DFB/PIN	-9~-3	<-22	SC	0~70
SFP BIDI	YXF-GE-B34L-20D	1.25G BIDI	Tx1310nm/Rx1490nm	20km	FP/PIN	-9~-3	<-22	LC	0~70
SFP BIDI	YXF-GE-B43L-20D	1.25G BIDI	Tx1490nm/Rx1310nm	20km	DFB/PIN	-9~-3	<-22	LC	0~70
SFP BIDI	YXF-GE-B34L-40D	1.25G BIDI	Tx1310nm/Rx1490nm	40km	DFB/PIN	-5~0	<-24	LC	0~70
SFP BIDI	YXF-GE-B43L-40D	1.25G BIDI	Tx1490nm/Rx1310nm	40km	DFB/PIN	-5~0	<-24	LC	0~70
SFP BIDI	YXF-GE-B35L-40D	1.25G BIDI	Tx1310nm/Rx1550nm	40km	DFB/PIN	-5~0	<-24	LC	0~70
SFP BIDI	YXF-GE-B53L-40D	1.25G BIDI	Tx1550nm/Rx1310nm	40km	DFB/PIN	-5~0	<-24	LC	0~70
SFP BIDI	YXF-GE-B45L-80D	1.25G BIDI	Tx1490nm/Rx1550nm	80km	DFB/PIN	-2~-5	<-26	LC	0~70
SFP BIDI	YXF-GE-B54L-80D	1.25G BIDI	Tx1550nm/Rx1490nm	80km	DFB/PIN	-2~-5	<-26	LC	0~70
SFP BIDI	YXF-GE-B45L-120D	1.25G BIDI	Tx1490nm/Rx1550nm	120km	DFB/PIN	0~5	<-30	LC	0~70
SFP BIDI	YXF-GE-B54L-120D	1.25G BIDI	Tx1550nm/Rx1490nm	120km	DFB/PIN	0~5	<-30	LC	0~70



155m & 2.5G SFP:



Package	Part No.	Data Rate	Wavelenth	Distance	Source	Output Power (dBm)	Sensitivit y (dBm)	Connector	Temp
SFP SX	YXF-2G-M85L-05D	2.5G	850nm	550m	VCSEL/PIN	-10~-3	<-18	LC	0~70
SFP LX	YXF-2G-S31L-20D	2.5G	1310nm	20km	DFB/PIN	-6~0	<-18	LC	0~70
SFP EX	YXF-2G-S55L-40D	2.5G	1550nm	40km	DFB/PIN	-5~0	<-20	LC	0~70
SFP ZX	YXF-2G-S55L-80D	2.5G	1550nm	80km	DFB/PIN	-2~5	<-28	LC	0~70
SFP SX	YXF-FE-M31L-2D	155M	1310nm	2km	FP/PIN	-20~-14	<-32	LC	0~70
SFP LX	YXF-FE-S31L-20D	155M	1310nm	20km	FP/PIN	-15~-8	<-32	LC	0~70
SFP EX	YXF-FE-S31L-40D	155M	1310nm	40km	DFB/PIN	-8~0	<-33	LC	0~70
SFP ZX	YXF-FE-S55L-80D	155M	1550nm	80km	DFB/PIN	-5~3	<-34	LC	0~70
SFP ZX	YXF-FE-S55L-120D	155M	1550nm	120km	DFB/PIN	0~5	<-35	LC	0~70
SFP BIDI	YXF-FE-B35L-20D	155M BIDI	Tx1310nm/Rx1550nm	20km	FP/PIN	-15~-8	<-32	LC	0~70
SFP BIDI	YXF-FE-B53L-20D	155M BIDI	Tx1550nm/Rx1310nm	20km	FP/PIN	-15~-8	<-32	LC	0~70
SFP BIDI	YXF-FE-B35S-20D	155M BIDI	Tx1310nm/Rx1550nm	20km	FP/PIN	-15~-8	<-32	SC	0~70
SFP BIDI	YXF-FE-B53S-20D	155M BIDI	Tx1550nm/Rx1310nm	20km	FP/PIN	-15~-8	<-32	SC	0~70
SFP BIDI	YXF-FE-B35L-40D	155M BIDI	Tx1310nm/Rx1550nm	40km	FP/PIN	-8~0	<-33	LC	0~70
SFP BIDI	YXF-FE-B53L-40D	155M BIDI	Tx1550nm/Rx1310nm	40km	DFB/PIN	-8~0	<-33	LC	0~70
SFP BIDI	YXF-FE-B45L-80D	155M BIDI	Tx1490nm/Rx1550nm	80km	DFB/PIN	-3~3	<-35	LC	0~70
SFP BIDI	YXF-FE-B54L-80D	155M BIDI	Tx1550nm/Rx1490nm	80km	DFB/PIN	-3~3	<-35	LC	0~70
SFP BIDI	YXF-FE-B45L-120D	155M BIDI	Tx1490nm/Rx1550nm	120km	DFB/PIN	0~5	<-35	LC	0~70
SFP BIDI	YXF-FE-B54L-120D	155M BIDI	Tx1550nm/Rx1490nm	120km	DFB/P <b>I</b> N	0~5	<-35	LC	0~70



1 \*9:



Part No.	Data Rate	Wavelenth	Distance	Output Power (dBm)	Sensitivity (dBm)	Connector	Temp
1X9 BIDI	155M	TX1310/RX1550	20KM	-12~-3	≤-34	SC	0~70
1X9 BIDI	155M	TX1550/RX1310	20KM	-12~-3	≤-34	SC	0~70
1X9 BIDI	155M	TX1310/RX1550	40KM	-7~-0	≤-35	SC	0~70
1X9 BIDI	155M	TX1550/RX1310	40KM	-7~-0	≤-35	SC	0~70
1X9 BIDI	155M	TX1490/RX1550	80KM	-2~1	≤-37	sc	0~70
1X9 BIDI	155M	TX1550/RX1490	80KM	-2~1	≤-37	SC	0~70
1X9 BIDI	1.25G	TX1310/RX1550	20KM	-9~-3	≤-24	SC	0~70
1X9 BIDI	1.25G	TX1550/RX1310	20KM	-9~-3	≤-24	SC	0~70
1X9 BIDI	1.25G	TX1310/RX1550	40KM	-5~0	≤-25	SC	0~70
1X9 BIDI	1.25G	TX1550/RX1310	40KM	-5~0	≤-25	SC	0~70
1X9 BIDI	1.25G	TX1490/RX1550	80KM	-2~1	≤-27	SC	0~70
1X9 BIDI	1.25G	TX1550/RX1490	80KM	-2~1	≤-27	SC	0~70
1X9 BIDI	1.25G	TX1310/Rx1550	20KM	-9~-3	≤-24	SC	0~70
1X9 BIDI	1.25G	TX1550/RX1310	20KM	-9~-3	≤-24	SC	0~70
1X9 DUAL	155m	1310nm	20KM	-12~-2	≤-34	SC	0~70
1X9 DUAL	155m	1310nm	40KM	-7~0	≤-35	SC	0~70
1X9 DUAL	155m	1550nm	80KM	-2~1	≤-37	SC	0~70
1X9 DUAL	1.25G	850nm	550M	-9~-3	≤-18	SC	0~70
1X9 DUAL	1.25G	1310nm	20KM	-9~-3	≤-24	SC	0~70
1X9 DUAL	1.25G	1310nm	40KM	-5~-0	≤-25	SC	0~70
1X9 DUAL	1.25G	1550nm	80KM	-2~1	≤-27	SC	0~70
1X9 DUAL TTL	0-2M	1310nm	20km	-4~-10	≤-16	SC	0~70





## AOC:

Part No.	Data Rate	Protective sleeve material	Distance	Connector Type
YXF~10G~A1		PVC	1 m 1 m	
YXF-10G~A5	10G	PVC	5m	SFP+ To SFP+
YXF~10G~A10		PVC	<b>1</b> 0m	521.10 521.
YXF~10G~A20		PVC	20m	
YXF~25G~A1	050	PVC	1m	
YXF~25G~A5	25G	PVC	5m	SFP28 To SFP28
YXF~25G~A10		PVC	<b>1</b> 0m	
YXF~25G~A20		PVC	20m	
YXF~40G~A1	40G	PVC	1m	
YXF~40G~A5	40G	PVC	5m	QSFP+ To QSFP+
YXF~40G~A10		PVC	<b>1</b> 0m	
YXF~40G~A20		PVC	20m	
YXF~100G~A1	100G	PVC	1m	
YXF~100G~A5	100G	PVC	5m	QSFP28 To QSFP28
YXF~100G~A10		PVC	<b>1</b> 0m	
YXF~100G~A20		PVC	20m	

#### DAC:



Part No.	Data Rate	Wire	Distance	Connector Type
YXF~10G~D2	109	30	2m	SFP+ <b>T</b> oSFP+
YXF~10G~D3	109	30	3m	SFP+ToSFP+
YXF~10G~D5		26	5m	SFP+ToSFP+
YXF~10G~D7		24	7m	SFP+ToSFP+
YXF~10G~D10		24	<b>1</b> 0m	SFP+ToSFP+
YXF~40G~D1	40G	28	1m	QSFP+ToQSFP+
YXF~40G~D2	100	28	2m	QSFP+ToQSFP+
YXF~40G~D3		28	3m	QSFP+ToQSFP+
YXF~Q28~D1	100G	30	1m	QSFP28 To QSFP28
YXF~Q28~D2	1000	26	2m	QSFP28 To QSFP28
YXF~Q28~D3		26	3m	QSFP28 To QSFP28
40G~4X10G~D1	40G to 4x10G	30	1m	QSFP+To4xSFP+
40G~4X10G~D2	400 10 47,100	30	2m	QSFP+To4xSFP+
40G~4X10G~D3		30	3m	QSFP+To4xSFP+







## Infiniband AOC:

Part No.	Data Rate	Protective sleeve material	Distance	Connector Type
YXF-200G-A1		PVC	1m	
YXF-200G-A2		PVC	2m	
YXF-200G-A3		PVC	3m	
YXF-200G-A5		PVC	5m	
YXF-200G-A10	200G	PVC	10m	QSFP56 To QSFP56
YXF-200G-A15		PVC	15m	

## Infiniband DAC:



Part No.	Data Rate	Wire	Distance	Connector Type
YXF-200G-D0.5		30AWG	0.5m	
YXF-200G-D1		30AWG	1m	
YXF-200G-D2	200G PAM4	28AWG	2m	QSFP56 To QSFP56
YXF-200G-D3		27AWG	3m	
YXF-200G-2X100G-D0.5		30AWG	0.5m	
YXF-200G-2X100G-D1		30AWG	1m	QSFP56 To 2*100G
YXF-200G-2X100G-D2	200G to	28AWG	2m	QSFP28
YXF-200G-2X100G-D3	2*100G	27AWG	3m	
	PAM4			
YXF-200G-4X50G-D0.5		30AWG	0.5m	
YXF-200G-4X50G-D1	200G to	30AWG	1m	
YXF-200G-4X50G-D2		28AWG	2m	QSFP56 To 4*50G SFP56
YXF-200G-4X50G-D3	4*50G PAM4	27AWG	3m	





**QSFP-DD 400G:** 

Package	Part No.	Data Rate	Wavelenth	Distance	Source	Output Power (dBm)	Sensitiviy (dBm)	Connector	Temp (°C )
QSFP-DD SR8	YXF-QDD-400G-SR8	400G	850nm	100m	VCSEL/PIN	-6~4dBm	<-7.9dBm	MPO	0-70
QSFP-DD DR4	YXF-QPDD-MDRL4-05D	400G	1310nm	500m	DFB/PIN	-2.9~4.0dBm	<-5.9dBm	MPO	0-70
QSFP-DD FR4	YXF-QPDD-400G-FR4	400G	1310nm	2km	CWDM EML/PIN	-3.3~3.5dBm	<-7.3dBm	LC	0-70



# DAC QSFP-DD 400G:

Part No.	Data Rate	Wire	Distance	Connector Type
YXF-400G-D0.5		30AWG	0.5m	
YXF-400G-D1	400G PAM4	30AWG	1m	
YXF-400G-D1.5		30AWG	1.5m	
YXF-400G-D2		28AWG	2m	QSFP-DD To QSFP-DD
YXF-400G-D3		27AWG	3m	
YXF-400G-2x200G-D0.5		30AWG	0.5m	
YXF-400G-2x200G-D1		30AWG	1m	
YXF-400G-2x200G-D1.5		30AWG	1.5m	
YXF-400G-2x200G-D2		28AWG	2m	QSFP-DD To 2*200G
YXF-400G-2x200G-D3		27AWG	3m	QSFP56
YXF-400G-4x100G-D0.5		30AWG	0.5m	
YXF-400G-4x100G-D1		30AWG	1m	
YXF-400G-4x100G-D1.5		30AWG	1.5m	
YXF-400G-4x100G-D2		28AWG	2m	QSFP-DD To 4* 100G QSFP28
YXF-400G-4x100G-D3		27AWG	3m	QD1120