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# Metro Telecom 5G and Broadband Access Open Optical Modules Brochure

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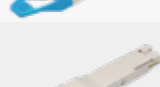

## 800G Optical Transceivers

GIGALIGHT 800G optical transceivers are packaged in QSFP-DD and conform to the QSFP-DD MSA standard. Available for 5G and metro applications, it features low power consumption, high density, and reliable quality assurance.

Images	Product Name	TX	RX	Max. Power Consumption	Reach	Temp (°C)	Part Number
	800G QSFP-DD SR8	850nm VCSEL	PIN	13.5W	60m (OM3) 100m (OM4)	0~70	GQD-MPO801-SR8C
	800G QSFP-DD PSM8	1310nm CW+MZ	PIN	14.5W 16W	2km/10km	0~70	GQD-SI801XDR8C GQD-SI801LDR8C
	800G QSFP-DD FR8	LAN-WDM EML	PIN	18W	2km	0~70	GQD-SP0801-FR8C
	800G QSFP-DD LR8	LAN-WDM EML	PIN	18W	10km	0~70	GQD-SPO801-LR8C

## 400G Optical Transceivers

GIGALIGHT 400G optical transceivers are packaged in QSFP-DD and conform to the QSFP-DD MSA standard. Available for 5G and metro applications, they adopt LC or MPO optical ports. It has the characteristics of low power consumption, high density and reliable quality assurance.

Images	Product Name	TX	RX	Max. Power Consumption	Reach	Temp (°C)	Part Number
	400G QSFP-DD SR8	850nm VCSEL	PIN	8.5W	100m	0~70	GQD-MPO401-SR8C
	400G QSFP-DD PSM8	1310nm EML	PIN	11W	2km 10km	0~70	GDM-SPO401-FR8C GDM-SPO401-LR8C
	400G QSFP-DD FR8	LWDM8 EML	PIN	12.5W	2km	0~70	GQD-SPO401-FR8C
	400G QSFP-DD LR8	LWDM8 EML	PIN	12.5W	10km	0~70	GQD-SPO401-LR8C
	400G QSFP-DD LR4	CWDM4 EML 1310nm CW+MZ	PIN	12W 11W	10km	0~70	GQD-SPO401-LR4C GQD-SI401LR4C
	400G QSFP112 SR4	850nm VCSEL	PIN	8W	60m (OM3) 100m (OM4)	0~70	GQS-MPO401-SR4C
	400G QSFP112 LR4	CWDM4 EML CWDM4 CW+MZ	PIN	11W	10km	0~70	GQS-SPO401-LR4C GQS-SI401-LR4C














# 200G Optical Transceivers

GIGALIGHT 200G optical transceivers adopts QSFP-DD package and complies with QSFP-DD MSA standard. It can be used for 5G and metro applications. They use LC or MPO optical ports. It has the characteristics of low power consumption, high density and reliable quality assurance.

Images	Product Name	TX	RX	Max. Power Consumption	Reach	Temp (°C)	Part Number
	200G QSFP-DD SR8	850nm VCSEL	PIN	4W	100m	0~70 -40~+85	GQD-MPO201-DSR4C GQD-MPO201-DSR4T
	200G QSFP-DD PSM8	1310nm DML	PIN	6W	2km	0~70 -40~+85	GDM-SPO201-FR8C GDM-SPO201-FR8T
	200G QSFP-DD LR8	LWDM8 DML	PIN	7.5W	10km/20km	0~70	GQD-SPO201-LR8C
	200G QSFP-DD SR4	850nm VCSEL	PIN	5W	100m	0~70	GQD-SPO201-SR4C
	200G QSFP-DD PSM4	1310nm EML	PIN	5.5W	2km	0~70	GDM-SPO201-FR4C
	200G QSFP-DD FR4	CWDM EML	PIN	9W	2km	0~70	GQD-SPO201-FR4C
	200G QSFP-DD LR4	LWDM4 EML	PIN	9W	10km	0~70	GQD-SPO201-LR4C
	200G QSFP-DD ER4	LWDM4 EML	APD	9W	40km	0~70	GDM-SPO201-ER4C

# 100G Optical Transceivers

GIGALIGHT 100G optical transceivers include parallel, WDM, single lambda, and silicon photonics series, which can be used for 5G and metro applications. They adopt LC or MPO optical ports and are compatible with IEEE802.3bm, SFF-8636 and other standards. It has the characteristics of low power consumption, high density and reliable quality assurance.

Images	Product Name	TX	RX	Max. Power Consumption	Reach	Temp (°C)	Part Number
	100G QSFP28 SR4	850nm VCSEL	PIN	2W	100m	0~70 -40~+85	GQS-MPO101-SR4C GQS-MPO101-SR4T
	100G QSFP28 eSR4	850nm VCSEL	PIN	2W	300m	0~70 -40~+85	GQS-MPO101-eSR4C GQS-MPO101-eSR4T
	100G QSFP28 PSM4	1310nm DML	PIN	3.5W	2km	0~70 -40~+85	GQM-SPO101-IR4C GQM-SPO101-IR4T
	100G QSFP28 CWDM4	CWDM4 DML	PIN	3.5W	2km/10km	0~70 -40~+85	GQS-SPO101-CIR4C GQS-SPO101-CLR4C GQS-SPO101-CLR4T
	100G QSFP28 LR4	LWDM4 DML	PIN	3.5W	10km 20km	0~70 -40~+85	GQS-SPO101-LR4C GQS-SPO101-LR4T GQS-SPO111-LR4C GQS-SPO111-L24C
	100G QSFP28 ER4 Lite	LWDM4 DML	APD	3.8W	30km	0~70	GQS-SPO111-ES4C
	100G QSFP28 ER4	LWDM4 EML	PIN+SOA	6W	40km	0~70	GQS-SPO111-ER4C
	100G QSFP28 ZR4	LWDM4 EML	PIN+SOA	6W	80km	0~70	GQS-SPO101-ZR4C
	100G QSFP28 PSM DWDM4	O-band150GHz DML C-band100GHz EML	PIN+SOA PIN+EDFA +DCM	5W	40km 80km	0~70	GQS-Dxx101-124C GQS-Oxx101-ER4C
	100G QSFP28 DWDM1	O-BAND CW+MZ	PIN	4W	25km	0~70	GQS-SI101-DE51C
	100G QSFP28 LR1	1310nm EML 1310nm CW+MZ	PIN	4W	20km 10km	0~70	GQS-SPO101-LR1C GQS-SI101-LR1C
	100G QSFP28 BiDi LR1	1271nm/1331nm EML	PIN	4.5W	10km	0~70	GBQ-2733101-LR1C GBQ-3327101-LR1C
	100G QSFP28 ER1	1310nm EML	APD	4W	40km	0~70	GQS-SPO101-ER1C
	100G SFP56-DD LR1	1310nm EML	PIN	3.5W	20km	0~70	GSD-SPO111-LR1C
	100G SFP56-DD ER1 Lite	1310nm EML	PIN	5.5W	30km	0~70	GSD-SPO111-ER1C
	100G SFP112 SR1	850nm VCSEL	PIN	2W	100m	0~70	GSS-MPO101-SR1C
	100G SFP112 LR1	1310nm EML	PIN	3.5W	10km	0~70	GSS-SPO101-LR1C
	100G SFP112 ER1	1310nm EML	PIN	5.5W	40km	0~70	GSS-SPO101-ER1C
	100G SFP112 DWDM1	O-BAND CW+MZ	PIN	4W	30km	0~70	GSS-SI101-DE51C





# 50G Optical Transceivers

GIGALIGHT provides industrial-grade 50G optical transceivers for 5G fronthaul and metropolitan telecom transmission, which conform to the 50G Ethernet transmission protocol, and are also compatible with the 50G eCPRI transmission protocol, and comply with the applicable parts of SFF-8402, SFF-8432 and SFF-8431. Support 100m to 30km transmission distance. They have very competitive cost performance, reliable quality and stability, and are ideal for 5G fronthaul network deployment.

Images	Product Name	TX	RX	Max. Power Consumption	Reach	Temp (°C)	Part Number
	50G SFP56 SR	850nm VCSEL	PIN	2W	100m	0~70 -40~+85	GSS-MPO560-SRC GSS-MPO560-SRT
	50G SFP56 LR	1310nm EML	PIN	3W	10km	0~70 -40~+85	GSS-SPO500-LR1C GSS-SPO500-LR1T
	50G SFP56 LR	1310nm DML	PIN	3W	10km	0~70 -40~+85	GSS-SPO500-LR1CZ
	50G SFP56 ER	1310nm EML	APD	3W	40km	0~70 -40~+85	GSS-SPO500-ER1C GSS-SPO500-ER1T
	50G SFP56 BR20-D	1330/1270nm EML	PIN	3W	20km	0~70 -40~+85	GBS-3327500-12C GBS-3327500-12T
	50G SFP56 BR20-U	1270/1330nm EML	PIN	3W	20km	0~70 -40~+85	GBS-2733500-L2C GBS-2733500-L2T
	50G SFP56 BR30-D	1310/1270nm EML	APD	3W	30km	0~70 -40~+85	GBS-3127500-L3C GBS-3127500-L3T
	50G SFP56 BR30-U	1270/1310nm EML	APD	3W	30km	0~70 -40~+85	GBS-2731500-L3C GBS-2731500-L3T
	50G SFP56 DWDM	C-BAND EML	PIN	3W	5km	0~70 -40~+85	GSS-Dxx500-05C GSS-Dxx500-05T
	50G SFP56 DWDM	O-BAND CW+MZ	PIN	3W	30km	0~70	GSS-SI500-DES1C

# 40G Optical Transceivers

The GIGALIGHT 40G QSFP+ pluggable optical transceiver modules support 40G Ethernet, InfiniBand QDR and OTN OTU3 data rates.

Images	Product Name	TX	RX	Max. Power Consumption	Reach	Temp (°C)	Part Number
	40G QSFP+ SR4	850nm VCSEL	PIN	1.5W	300m(OM3) 400m(OM4)	0~70 -40~+85	GQS-MPO400-SR4C GQS-MPO400-SR4T
	40G QSFP+ PSM4	1310nm FP/DML	PIN	3.5W	2km/10km	0~70	GQM-SPO400-IR4C GQM-SPO400-LR4C
	40G QSFP+ LR4	CWDM4 FP/DML	PIN	3.5W	2km/10km	0~70	GQS-SPO400-IR4C GQS-SPO400-LR4C
	40G QSFP+ ER4	CWDM DML	APD	3.5W	40km	0~70	GQS-SPO400-ER4C
	40G QSFP+ ZR4	LWDM4 EML	APD	3.5W	80km	0~70	GQS-SPO401-ZR4C

# 32G Optical Transceivers

The GIGALIGHT 32GFC SFP28 pluggable optical transceiver modules support 32G Fibre Channel data rate.

Images	Product Name	TX	RX	Max. Power Consumption	Reach	Temp (°C)	Part Number
	32G SFP28 SR	850nm VCSEL	PIN	1W	70m(OM3) 100m(OM4)	0~70 -40~+85	GSS-MPO280-SRC GSS-MPO280-SRT
	32G SFP28 eSR	850nm VCSEL	PIN	1W	200m(OM3) 300m(OM4)	0~70 -40~+85	GSS-MPO280-eSRC GSS-MPO280-eSRT
	32G SFP28 LR	1310nm EML	PIN	1.8W	10km	0~70 -40~+85	GSS-MPO280-LRC GSS-MPO280-LRT
	32G SFP28 ER	1310nm EML	APD	1.8W	40km	0~70 -40~+85	GSS-MPO280-ERC GSS-MPO280-ERT
	32G SFP28 DWDM	C18-C61 100GHz EML	PIN	1.8W	2km 10km	0~70 -40~+85	GSS-Dxx280-LRC GSS-Dxx280-LRT

# 25G Optical Transceivers

GIGALIGHT provides a complete 25G industrial-grade optical transceiver for 5G fronthaul and metro telecom transmission, which conforms to the 25G Ethernet transmission protocol, and is also compatible with CPRI Option 10 and 25G eCPRI transmission protocols, supporting a transmission distance of 100m to 40km.

Images	Product Name	TX	RX	Max. Power Consumption	Reach	Temp (°C)	Part Number
	25G SFP28 SR	850nm VCSEL	PIN	1W	100m 300m	-40~+85	GSS-MPO250-SRT GSS-MPO250-CSRT
	25G SFP28 LR	1310nm DML	PIN	1.2W	10km 20km	-40~+85	GSS-SPO250-LRT GSS-SPO250-L2T
	25G SFP28 ER	1310nm EML	APD	1.8W	40km	-40~+85	GSS-SPO250-ERT
	25G SFP28 ZR	1300nm EML	SOA+PIN	2.5W	80km	0~70	GSS-SPO250-ZRC
	25G SFP28 BR10-U	1270/1330nm DML	PIN	1.5W	10km	-40~+85	GBP-2733250-LRT
	25G SFP28 BR10-D	1330/1270nm DML	PIN	1.5W	10km	-40~+85	GBP-3327250-LRT
	25G SFP28 BR20-U	1270/1330nm DML	APD	1.8W	20km	-40~+85	GBP-2733250-L2T
	25G SFP28 BR20-D	1330/1270nm DML	APD	1.8W	20km	-40~+85	GBP-3327250-L2T
	25G SFP28 BR40-U	1270/1310nm EML 1270/1330nm EML	APD	1.9W	40km	-40~+85	GBP-2731250-ERT GBP-2733250-ERT
	25G SFP28 BR40-D	1310/1270nm EML 1330/1270nm EML	APD	1.9W	40km	-40~+85	GBP-3127250-ERT GBP-3327250-ERT
	25G SFP28 CWDM	1271~1371nm DML 1471~1571nm EML 1271~1371nm DML	PIN APD APD	1.8W	10km 10km 15km	-40~+85	GSS-Cxx250-LRT GSS-Cxx250-LRT GSS-Cxx250-LST
	25G SFP28 LWDM	1269.23~1318.35nm DML 1269.23~1318.35nm DML 1273.55~1309.14nm EML	PIN APD APD	1.5W 1.8W 2W	10km 20km 40km	-40~+85	GSS-Sxx250-LRT GSS-Sxx250-L2T GSS-Sxx250-ERT
	25G SFP28 DWDM	C-BAND EML	PIN APD	1.8W 2W	2km 10km	-40~+85	GSS-Dxx250-02T GSS-Dxx250-LRT

# 16G Optical Transceivers

The GIGALIGHT 16G SFP pluggable optical transceiver modules support 16G Fibre Channel, 10G Ethernet, SONET OC-192 or SDH STM-64 and OTN OTU2e data rates.

Images	Product Name	TX	RX	Max. Power Consumption	Reach	Temp (°C)	Part Number
	16G SFP+ SR	850nm VCSEL	PIN	1.2W	100m(OM3) 190m(OM4)	0~70	GPP-8514G-SRC
	16G SFP+ LR	1330nm DML	PIN	1.5W	10km	0~70	GPP-3114G-LRC
	16GFC SFP+ ER	1310nm DML	PIN	1.5W	40km	0~70	GPP-3114G-ERC
	16G SFP+ DWDM	C18-C61 100GHz EML	PIN/APD	1.8W	10km/40km	0~70 -40~+85	GDP-xx14G-01C GDP-xx14G-01T GDP-xx14G-04C GDP-xx14G-04T

# 10G Optical Transceivers

## 10G XFP



Portfolio	Reach	Wavelength	Optical Interface	P/N	
Grey Light	400m	850nm	LC	GX-85192-SRx	
	2km	1310nm	LC	GX-31192-02C	
	10km	1310nm	LC	GX-31192-LRx	
	20km	1310nm	LC	GX-31192-L2C	
	40km	1310nm	LC	GX-31192-ERx	
	40km	1550nm	LC	GX-55192-ERC	
	80km	1550nm	LC	GX-55192-12C	
	120km	1550nm	LC	GX-55192-ZRx	
BiDi	10km	1270/1330nm	Simplex LC	GBX-2733192-LRC	
	10km	1330/1270nm	Simplex LC	GBX-3327192-LRC	
	20km	1270/1330nm	Simplex LC	GBX-2733192-L2C	
	20km	1330/1270nm	Simplex LC	GBX-3327192-L2C	
	40km	1270/1330nm	Simplex LC	GBX-2733192-ERC	
	40km	1330/1270nm	Simplex LC	GBX-3327192-ERC	
	50km	1270/1330nm	Simplex LC	GBX-2733192-E5C	
	50km	1330/1270nm	Simplex LC	GBX-3327192-E5C	
	60km	1270/1330nm	Simplex LC	GBX-2733192-E6C	
	60km	1330/1270nm	Simplex LC	GBX-3327192-E6C	
	80km	1490/1550nm	Simplex LC	GBX-4955192-E8C	
	80km	1550/1490nm	Simplex LC	GBX-5549192-E8C	
	CWDM	10km	1271~1611nm(20nm)	LC	GXC-xx192-01x
		40km	1271~1611nm(20nm)	LC	GXC-xx192-04x
70km		1591~1611nm(20nm)	LC	GXC-xx192-07x	
80km		1471~1571nm(20nm)	LC	GXC-xx192-08x	
DWDM	40km	1528.77~1563.05nm(100GHz)	LC	GXD-xxx192-04C	
	80km	1528.77~1563.05nm(100GHz)	LC	GXD-xx192-08x	
	80km	1528.77~1563.05nm(50GHz)	LC	GXD-xxx192-08C	
	120km	1528.77~1560.61nm(100GHz)	LC	GXD-xxx192-12C	

## 10G SFP+



Portfolio	Reach	Wavelength	Optical Interface	P/N
Grey Light	400m	850nm	LC	GPP-85192-SRx
	220m	1310nm	LC	GPP-31192-LRMC
	2km	1310nm	LC	GPP-31192-02
	10km	1310nm	LC	GPP-31192-LRx
	20km	1310nm	LC	GPP-31192-L2C
	40km	1310nm	LC	GPP-31192-ERC
	40km	1550nm	LC	GPP-55192-ERC
	60km	1550nm	LC	GPP-55192-E6C
BiDi	80km	1550nm	LC	GPP-55192-ZRx
	10km	1270/1330nm	Simplex LC	GBP-2733192-LRx(l)
	10km	1330/1270nm	Simplex LC	GBP-3327192-LRx(l)
	20km	1270/1330nm	Simplex LC	GBP-2733192-L2x(l)
	20km	1330/1270nm	Simplex LC	GBP-3327192-L2x(l)
	40km	1270/1330nm	Simplex LC	GBP-2733192-ERx(l)
	40km	1330/1270nm	Simplex LC	GBP-3327192-ERx(l)
	60km	1270/1330nm	Simplex LC	GBP-2733192-E6x(l)
	60km	1330/1270nm	Simplex LC	GBP-3327192-E6x(l)
	80km	1490/1550nm	Simplex LC	GBP-4955192-08C
	80km	1550/1490nm	Simplex LC	GBP-5549192-08C
	80km	1490/1550nm	Simplex LC	GBP-4955192-E8C
	80km	1550/1490nm	Simplex LC	GBP-5549192-E8C
	CWDM	10km	1271~1611nm (20nm)	LC
20km		1271~1611nm (20nm)	LC	GCP-xx192-02x
40km		1271~1611nm (20nm)	LC	GCP-xx192-04x
DWDM	70km	1591~1611nm (20nm)	LC	GCP-xx192-07x
	80km	1471~1571nm (20nm)	LC	GCP-xx192-08x
	40km	1528.77~1563.05nm (100GHz)	LC	GDP-xxx192-04
	40km	1528.77~1563.05nm (50GHz)	LC	GDP-xxx192-04C
Tunable	70km	1528.77~1563.05nm (100GHz)	LC	GDP-xx192-07
	80km	1528.77~1563.05nm (100GHz)	LC	GDP-xx192-08
	80km	1528.77~1563.05nm (50GHz)	LC	GDP-xxx192-08C
	80km	C-band (50GHz)	LC	GPU-Cxxx-08CD

# 2.5G Optical Transceivers

## 2.5G SFP



Portfolio	Reach	Wavelength	Optical Interface	P/N
Grey Light	300m	850nm	LC	GP-8548-S3xD
	500m	850nm	LC	GP-8548-S5xD
	2km	1310nm	LC	GP-3148-02xD
	20km	1310nm	LC	GP-3148-L2xD
	40km	1310nm	LC	GP-3148-L4CD
	40km	1550nm	LC	GP-5548-L4xD
	80km	1550nm	LC	GP-5548-L8CD
	BiDi	20km	1310/1550nm	Simplex LC/SC
20km		1550/1310nm	Simplex LC/SC	GPB-5348x-L2xD
40km		1490/1550nm	Simplex LC/SC	GPB-4548x-L4CD
40km		1550/1490nm	Simplex LC/SC	GPB-5448x-L4CD
80km		1490/1550nm	Simplex LC	GPB-4548L-L8CD
80km		1550/1490nm	Simplex LC	GPB-5448L-L8CD
2CH BiDi (CSFP)		20km	1310/1490nm	LC
	20km	1490/1310nm	LC	GCB-4348-L2CD
	20km	1310/1550nm	LC	GCB-3548-L2CD
	20km	1550/1310nm	LC	GCB-5348-L2CD
	CWDM	40km	1271~1611nm (20nm)	LC
80km		1471~1611nm (20nm)	LC	GPC-xx48-08CD
DWDM	80km	1528.77~1563.05nm (100GHz)	LC	GPD-xxMR-08CD
	80km	1528.77~1563.05nm (100GHz)	LC	GPD-xx48-08CD

# 1G Optical Transceivers

## 1G SFP

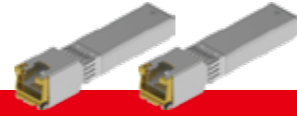


Portfolio	Reach	Wavelength	Optical Interface	P/N	
Grey Light	550m	850nm	LC	GP-8524-S5xD	
	2km	1310nm	LC	GP-1324-02xD	
	20km	1310nm	LC	GP-3124-L2xD	
	40km	1310nm	LC	GP-3124-L4xD	
	40km	1550nm	LC	GP-5524-L4xD	
	80km	1550nm	LC	GP-5524-L8xD	
	120km	1550nm	LC	GP-5524-12CD	
BiDi	2km	1310/1550nm	Simplex LC/SC	GPB-3524x-02xD	
	2km	1550/1310nm	Simplex LC/SC	GPB-5324x-02xD	
	20km	1310/1490nm	Simplex LC/SC	GPB-3424x-L2xD	
	20km	1490/1310nm	Simplex LC/SC	GPB-4324x-L2xD	
	20km	1310/1550nm	Simplex LC/SC	GPB-3524x-L2xD	
	20km	1550/1310nm	Simplex LC/SC	GPB-5324x-L2xD	
	40km	1310/1490nm	Simplex LC/SC	GPB-3424x-L4xD	
	40km	1490/1310nm	Simplex LC/SC	GPB-4324x-L4xD	
	40km	1310/1550nm	Simplex LC/SC	GPB-3524x-L4xD	
	40km	1550/1310nm	Simplex LC/SC	GPB-5324x-L4xD	
	60km	1310/1550nm	Simplex LC	GPB-3524L-L6CD	
	60km	1550/1310nm	Simplex LC	GPB-5324L-L6CD	
	80km	1490/1550nm	Simplex LC	GPB-4524L-L8CD	
	80km	1550/1490nm	Simplex LC	GPB-5424L-L8CD	
	120km	1490/1550nm	Simplex LC	GPB-4524L-12CD	
120km	1550/1490nm	Simplex LC	GPB-5424L-12CD		
2CH BiDi (CSFP)	20km	1310/1490nm	LC	GCB-3403-L2xD	
	20km	1490/1310nm	LC	GCB-4303-L2xD	
	20km	1310/1550nm	LC	GCB-3503-L2xD	
	20km	1550/1310nm	LC	GCB-5303-L2xD	
	40km	1310/1490nm	LC	GCB-3403-L4xD	
	40km	1490/1310nm	LC	GCB-4303-L4xD	
	40km	1310/1550nm	LC	GCB-3503-L4xD	
	40km	1550/1310nm	LC	GCB-5303-L4xD	
	CWDM	40km	1271~1611nm (20nm)	LC	GPC-xx24-04xD
		80km	1271~1611nm (20nm)	LC	GPC-xx24-08xD
100km		1271~1431nm (20nm)	LC	GPC-xx24-10CD	
DWDM	120km	1451~1611nm (20nm)	LC	GPC-xx24-12CD	
	80km	1528.77~1563.05nm (100GHz)	LC	GPD-xx24-08CD	
DWDM	120km	1528.77~1563.05nm (100GHz)	LC	GPD-xx24-12CD	



# Copper Modules

## 10/100/1000BASE SFP/10G SFP+



Portfolio	Reach	Cable	Interface	P/N
10GBASE-T SFP+	30m	CAT6a	RJ-45	GE-XB-P7RC
1000BASE-T SFP	100m	CAT5/5e	RJ-45	GE-GB-P3Rx-E
	100m	CAT5/5e	RJ-45	GE-GB-P3Rx-C5
10/100/1000BASE-T SFP	100m	CAT5/5e	RJ-45	GE-GB-P1Rx-E
100BASE-T SFP	100m	CAT5/5e	RJ-45	GE-FB-P4Rx
10/100BASE-T SFP	100m	CAT5/5e	RJ-45	GE-FB-P2Rx

# PON OLT Optical Transceivers

## IPON OLT系列



Product Name	PON type	Category	Reach	Temp (°C)	Max. Power Consumption
SFP GPON OLT Class B+	GPON OLT	Class B+	20km	0~70	0.9W
SFP GPON OLT Class C+	GPON OLT	Class C+	20km	0~70/-20~+85	0.9W
SFP GPON OLT Class D	GPON OLT	Class D	20km	0~70	0.9W
SFP+ XGS-PON&GPON OLT Class C+	XGS-PON&GPON OLT	Class C+	20km	0~70	2.5W
SFP+ XGS-PON&GPON OLT Class D	XGS-PON&GPON OLT	Class D	20km	0~70	2.5W
SFP+ XGS-PON OLT Class E1	XGS-PON OLT	Class E1	20km	0~70	2W
SFP+ XGS-PON OLT Class E2	XGS-PON OLT	Class E2	20km	0~70	2W
SFP+ XGS-PON OLT Class N1-E	XGS-PON OLT	Class N1-E	20km	0~70	2W
SFP+ XGS-PON OLT Class N2-E	XGS-PON OLT	Class N2-E	20km	0~70	2W
SFP+ XG-PON&GPON OLT Class C+	XG-PON&GPON OLT	Class C+	20km	0~70	2.5W
SFP+ XG-PON&GPON OLT Class D	XG-PON&GPON OLT	Class D	20km	0~70	2.5W

# 5G Base Station Immersible Transceiver Assemblies

GIGALIGHT provides a full range of immersible transceiver assemblies for scenarios with high heat dissipation requirements and immersion liquid-cooling technology in 5G fronthaul applications. These products are compatible with fluorinated fluids and mineral oils, and remain highly reliable even at submersion depths up to 10 meters.

Product Name	Transmitter	LD	PD	Reach	Optical Interface	Max. Power Consumption (W)	Part Number
	10G SFP+ LR	1310nm DML	PIN	10km	LC Pigtail FC Pigtail	0.8	GL-S100-LR-L/F
	10G SFP+ BiDi LR	1270nm/ 1310nm DML	PIN	10km	LC Pigtail FC Pigtail	1.5	GL-S100-23LR-L/F GL-S100-32LR-L/F
	25G SFP28 LR	1310nm DML	PIN	10km(SMF)	LC Pigtail FC Pigtail	1	GL-S250-LR-L/F
	25G SFP28 BiDi LR	1270nm/ 1310nm DML	PIN	10km	LC Pigtail FC Pigtail	1.6	GL-S250-23LR-L/F GL-S250-32LR-L/F
	100G QSFP28 SR4	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO12 Pigtail	2	GL-Q101-SR4-M
	100G QSFP28 PSM4	1310nm DML	PIN	2km	MPO12 Pigtail	3.5	GL-P101-IR4-M
	200G QSFP56 SR4	850nm VCSEL	PIN	70m(OM3) 100m(OM4)	MPO12 Pigtail	5	GL-Q201SR4-M(D)xx
	400G QSFP112 SR4	850nm VCSEL	PIN	100m	MPO12 Pigtail	8	GL-Q401-SR4-M
	800G QSFP-DD SR8	850nm VCSEL	PIN	100m	MPO12 Pigtail Dual MPO12 Pigtail	18.5	GL-D801-SR8-M

# 5G Base Station HAOC

GIGALIGHT provides a full range of 10G SFP+, 25G SFP28 & 100G QSFP28 Hardened Active Optical Cable (HAOC) assemblies for scenarios with high requirements for waterproof, dustproof and anti-interference in 5G fronthaul applications.

Images	Product Name	Fiber Type	Length (Customizable)	Form Factor	TX	RX	Max. Power Consumption	Temp (°C)	Part Number
	10G SFP+ HAOC	MMF	300m	SFP+ SFP+	850nm VCSEL	PIN	0.8W/0.8W	-40~+85	GSS-MDO100-xxxT
	25G SFP28 HAOC	MMF	70m/100m	SFP28 SFP28	850nm VCSEL	PIN	1W/1W	-40~+85	GSS-MDO250-xxxT
	100G QSFP28 HAOC	MMF	70m/100m	QSFP28 QSFP28	850nm VCSEL	PIN	2W/2W	-40~+85	GQS-MDO101-xxxT
	100G QSFP28 转 4x25G SFP28 HAOC	MMF	1m~100m	QSFP28 4xSFP28	850nm VCSEL	PIN	2W/4x1W	-40~+85	GQP-MDO101-xxxT