



GIGALIGHT OPEN OPTICAL NETWORK PRODUCT GUIDE

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800G Optical Transceiver



Product	LD	Reach	Optical Interface	Max. Power	P/N	Use
800G OSFP VR8	850nm VCSEL	30m (OM3) /50m (OM4)	MP016/2xMP012	13.5W	G05-MPO801-VR8C	DC
800G OSFP SR8	850nm VCSEL	60m (OM3) /100m (OM4)	MP016/2xMP012	13.5W	G05-MPO801-SR8C	DC
800G OSFP DR8/DR8+	1310nm CW+MZ	500m/2km	Dual MP012	16W	G05-SI801DR8CA G05-SI801XR8C	DC
800G OSFP DR8++	1310nm CW+MZ	10km	Dual MP012	16W	G05-SI801LDR8C	DC
800G OSFP DR8 LP0+	1310nm CW+MZ	500m	2x MP012/APC	8.5W	TBD	DC
800G OSFP 2xFR4	CWDM4 CW+MZ	2km	Dual Duplex LC	16W	G05-SI8012FR4C	DC
800G OSFP 2xLR4	CWDM4 CW+MZ	10km	Dual Duplex LC	16W	G05-SI8012LR4C	DC
800G OSFP FR8	LAN-WDM EML	2km	Dual LC	16W	G05-SPO801-FR8C	DC
800G QSPF-DD VR8	850nm VCSEL	30m (OM3) /50m (OM4)	MP016/2xMP012	13.5W	GQD-MPO801-VR8C	DC
800G QSPF-DD SR8	850nm VCSEL	60m (OM3) /100m (OM4)	MP016/2xMP012	13.5W	GQD-MPO801-SR8C	DC/5G
800G QSPF-DD DR8/DR8+	1310nm CW+MZ	500m/2km	MP016	16W	GQD-SI801DR8C GQD-SI801XDR8C	DC
800G QSPF-DD DR8++	1310nm CW+MZ	10km	MP016	16W	GQD-SI801LDR8C	DC
800G QSPF-DD 2xFR4	CWDM4 CW+MZ	2km	Dual Duplex LC	16W	GQD-SI8012FR4C	DC
800G QSPF-DD 2xLR4	CWDM4 CW+MZ	10km	Dual Duplex LC	16W	GQD-SI8012LR4C	DC
800G QSPF-DD FR8	LAN-WDM EML	2km	Dual LC	16W	GQD-SPO801-FR8C	DC/5G
800G OSFP XPSMB/BER	1310 CW + PIN/APD	10km/30km	2X MP012/APC	TBD	TBD	DC

50G/40G/32G/25G/16G Optical Transceiver



Product	TX	RX	Max. Power	Reach	Temperature	P/N	Use
50G SFP56 SR	850nm VCSEL	PIN	2W	100m	0-70/-40~+85	G55-MPO560-SRC G55-MPO560-SRT G55-SPO500-LR1C G55-SPO500-LR1T	DC/5G
50G SFP56 LR	1310nm EML	PIN	3W	10km	0-70/-40~+85	G55-SPO500-LR1C G55-SPO500-LR1T	DC/5G
50G SFP56 LR	1310nm DML	PIN	3W	10km	0-70/-40~+85	G55-SPO500-LR1CZ	DC/5G
50G SFP56 ER	1310nm EML	APD	3W	40km	0-70/-40~+85	G55-SPO500-ER1C G55-SPO500-ER1T	DC/5G
50G SFP56 BR20-D	1330/1270nm EML	PIN	3W	20km	0-70/-40~+85	GB5-3327500-12C GB5-3327500-12T	DC/5G
50G SFP56 BR20-U	1270/1330nm EML	PIN	3W	20km	0-70/-40~+85	GB5-2733500-L2C GB5-2733500-L2T	DC/5G
50G SFP56 BR30-D	1310/1270nm EML	APD	3W	30km	0-70/-40~+85	GB5-3127500-L3C GB5-3127500-L3T	DC/5G
50G SFP56 BR30-U	1270/1310nm EML	APD	3W	30km	0-70/-40~+85	GB5-2731500-L3C GB5-2731500-L3T	DC/5G
50G SFP56 DWDM	C-BAND EML	PIN	3W	5km	0-70/-40~+85	G55-Dxx500-05C G55-Dxx500-05T	DC/5G
40G QSPF+ SR4	850nm VCSEL	PIN	1.5W	300m(OM3)/400m(OM4)	0-70/-40~+85	G05-MPO400-SR4C G05-MPO400-SR4T	DC/5G
40G QSPF+ PSM4	1310nm FP/DML	PIN	3.5W	2km/10km	0-70	G05-SPO400-IR4C G05-MPO400-LR4C	DC/5G
40G QSPF+ LR4	CWDM4 FP/DML	PIN	3.5W	2km/10km	0-70	G05-SPO400-IR4C G05-SPO400-LR4C	DC/5G
40G QSPF+ ER4	CWDM DML	APD	3.5W	40km	0-70	G05-SPO400-ER4C	DC/5G
40G QSPF+ ZR4	LWDM4 EML	APD	3.5W	80km	0-70	G05-SPO401-ZR4C	DC/5G
32G SFP28 SR	850nm VCSEL	PIN	1W	70m(OM3)/100m(OM4)	0-70/-40~+85	G55-MPO280-SRC G55-MPO280-SRT	DC/5G
32G SFP28 eSR	850nm VCSEL	PIN	1W	200m(OM3)/300m(OM4)	0-70/-40~+85	G55-MPO280-eSRC G55-MPO280-eSRT	DC/5G
32G SFP28 LR	1310nm EML	PIN	1.8W	10km	0-70/-40~+85	G55-MPO280-LRC G55-MPO280-LRT	DC/5G
32G SFP28 ER	1310nm EML	APD	1.8W	40km	0-70/-40~+85	G55-MPO280-ERC G55-MPO280-ERT	DC/5G
32G SFP28 DWDM	C18-C61 100GHz EML	PIN	1.8W	2km/10km	0-70/-40~+85	G55-Dxx280-LRC G55-MPO250-SRT G55-MPO250-CSRT	DC/5G
25G SFP28 SR	850nm VCSEL	PIN	1W	102m/300m	-40~+85	G55-SPO250-LRT G55-SPO250-L2T	DC/5G
25G SFP28 LR	1310nm DML	PIN	1.2W	10km/20km	-40~+85	G55-SPO250-LRT G55-SPO250-L2T	DC/5G
25G SFP28 ER	1310nm EML	APD	1.8W	40km	-40~+85	G55-SPO250-ERT	DC/5G
25G SFP28 ZR	1300nm EML	SOA+PIN	2.5W	80km	0-70	G55-SPO250-ZRC	DC/5G
25G SFP28 BR10-U	1270/1330nm DML	PIN	1.5W	10km	-40~+85	GBP-2733250-LRT	DC/5G
25G SFP28 BR10-D	1330/1270nm DML	PIN	1.5W	10km	-40~+85	GBP-3327250-LRT	DC/5G
25G SFP28 BR20-U	1270/1330nm DML	APD	1.8W	20km	-40~+85	GBP-2733250-L2T	DC/5G
25G SFP28 BR20-D	1330/1270nm DML	APD	1.8W	20km	-40~+85	GBP-3327250-L2T	DC/5G
25G SFP28 BR40-U	1270/1310nm EML	APD	1.9W	40km	-40~+85	GBP-2731250-ERT GBP-2733250-ERT GBP-3327250-ERT	DC/5G
25G SFP28 BR40-D	1270/1310nm EML 1310/1270nm EML 1330/1270nm EML	APD	1.9W	40km	-40~+85	G55-Cxx250-LRT G55-Cxx250-LST G55-Sxx250-LRT G55-Sxx250-L2T G55-Sxx250-ERT	DC/5G
25G SFP28 DWDM	1269.23~1318.35nm DML 1269.23~1318.35nm DML 1273.55~1309.14nm EML	PIN/APD/APD	1.5W/1.8W/2W	12km/20km/40km	-40~+85	G55-Dxx250-02T G55-Dxx250-LRT	DC/5G
25G SFP28 DWDM	C-BAND EML	PIN/APD	1.8W/2W	2km/10km	-40~+85	G55-Dxx250-LRT G55-Dxx250-ERT	DC/5G
25G SFP28 DWDM	O-BAND DML	PIN/APD	1.8W/2W	10km/40km	-40~+85	G55-Dxx250-LRT G55-Dxx250-ERT	DC/5G
16G SFP+ SR	850nm VCSEL	PIN	1.2W	100m(OM3)/190m(OM4)	0-70	GPP-8514G-SRC	DC/5G
16G SFP+ LR	1330nm DML	PIN	1.5W	10km	0-70	GPP-3114G-LRC	DC/5G
16GFC SFP+ ER	1310nm DML	PIN	1.5W	40km	0-70	GPP-3114G-ERC	DC/5G
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	DC/5G

400G Optical Transceiver



Product	LD	Reach	Optical Interface	Max. Power	P/N	Use
400G QSPF-DD SR8	850nm VCSEL	70m (OM3) /100m (OM4)	MP016	8.5W	GQD-MPO401-SR8CD	DC/5G
400G QSPF-DD PSM8	1310nm EML	2km/10km	MP016	11W	GDM-SPO401-FR8C GDM-SPO401-LR8C	DC/5G
400G QSPF-DD PSM8	1310 CW+MZ	2km/10km	MP016	11W	GDM-SPO401-FR8/LR8C	DC
400G QSPF-DD 2xFR4	CWDM4 DML	2km	Dual Duplex LC	9W	GQD-SPO401-FR4CZ	DC
400G QSPF-DD FR8	LWDM8 EML	2km	Dual LC	12.5W	GQD-SPO401-FR8C	DC/5G
400G QSPF-DD LR8	LWDM8 EML	10km	Dual LC	12.5W	GQD-SPO401-LR8C	DC/5G
400G QSPF-DD VR4	850nm VCSEL	30m (OM3) /50m (OM4)	MP012	8W	GQD-MPO401-VR4C	DC
400G QSPF-DD SR4	850nm VCSEL	60m (OM3) /100m (OM4)	MP012	8W	GQD-MPO401-SR4C	DC/5G
400G QSPF-DD DR4/DR4+	1310nm CW+MZ	500m/2km	MP012	10W	GQD-SI401XR4C GQD-SI401DR4C	DC
400G QSPF-DD DR4++	1310nm CW+MZ	10km	MP012	10W	GQD-SI401XR4C	DC
400G QSPF 112 DR4 LP0+	1310nm CW+MZ	500m	MP012	4.5W	TBD	DC
400G QSPF-DD FR4	CWDM4 EML	2km	Dual LC	11W	GQD-SPO401-FR4X	DC
400G QSPF-DD LR4	CWDM4 EML	10km	Dual LC	11W	GQD-SPO401-LR4X	DC/5G
400G QSPF-DD ER4-30	nLAN-WDM EML	30km	Dual LC	11W	GQP-SPO401-ER4C	DC
400G QSPF112 VR4	850nm VCSEL	30m (OM3) /50m (OM4)	MP012	8W	GQ5-MPO401-VR4C	DC
400G QSPF112 SR4	850nm VCSEL	60m (OM3) /100m (OM4)	MP012	8W	GQ5-MPO401-SR4C	DC/5G
400G QSPF112 DR4/DR4+	1310nm CW+MZ	500m/2km	MP012	10W	GQ5-SI401DR4C GQ5-SI401XR4C	DC
400G QSPF112 DR4++	1310nm CW+MZ	10km	MP012	10W	GQ5-SI401XR4C	DC
400G QSPF112 FR4	CWDM4 EML	2km	Dual LC	11W	GQ5-SPO401-FR4C	DC
400G QSPF112 LR4	CWDM4 EML	10km	Dual LC	11W	GQ5-SPO401-LR4C	DC/5G
400G OSFP-RHS VR4	850nm VCSEL	30m (OM3) /50m (OM4)	MP012	8W	GQP-MPO401-VR4C	DC
400G OSFP-RHS SR4	850nm VCSEL	60m (OM3) /100m (OM4)	MP012	8W	GQP-MPO401-SR4C	DC
400G OSFP-RHS DR4/DR4+	1310nm CW+MZ	500m/2km	MP012	10W	GQP-SI401DR4C GQP-SI401XR4C	DC
400G OSFP-RHS DR4++	1310nm CW+MZ	10km	MP012	10W	GQP-SI401XR4C	DC
400G OSFP-RHS FR4	CWDM4 EML	2km	Dual LC	11W	GQP-SPO401-FR4C	DC
400G OSFP-RHS LR4	CWDM4 EML	10km	Dual LC	11W	GQP-SPO401-LR4C	DC

200G Optical Transceiver



Product	LD	Reach	Optical Interface	Max. Power	P/N	Use
200G QSPF-DD SR8	850nm VCSEL	100m	MP024	4W	GQD-MPO201-DSR4C	DC/5G
200G QSPF-DD 2xCWDM4	2xCWDM4 DML	2km	Dual Duplex LC	6.5W	GQD-SPO201-CIR4C	DC
200G QSPF-DD PSM8/XPSM8	1310nm DML	2km/10km/20km	MP024/MP016	6W/6.5W	GDM-SPO201-FR8C GDM-SPO201-FR8T GDM-SPO201-LR8C	DC/5G
200G QSPF-DD LR8	LWDM DML	10km/20km	Dual LC	7.5W	GQD-SPO201-LR8C	DC/5G
200G QSPF-DD SR4	850nm VCSEL	100m	MP012	5W	GQ5-SPO201-SR4C	DC/5G
200G QSPF-DD PSM4	1310nm EML	2km	MP012	5.5W	GDM-SPO201-FR4C	DC/5G
200G QSPF-DD FR4	CWDM EML	2km	Dual LC	9W	GQD-SPO201-FR4C	DC/5G
200G QSPF-DD LR4	LWDM4 EML	10km	Dual LC	9W	GQD-SPO201-LR4C	DC/5G
200G QSPF-DD ER4	LWDM4 EML	40km	Dual LC	9W	GQD-SPO201-ER4C	DC/5G
200G QSPF56 SR4	850nm VCSEL	70m (OM3) /100m (OM4/OM5)	MP012	5W	GQ5-MPO201-SR4C	DC
200G QSPF56 DR4	1310nm DML	500m	MP012	5.5W	GQ5-SPO20-DR4CZA	DC
200G QSPF56 FR4	CWDM4 DML	2km	Dual LC	6W	GQ5-SPO201-FR4CZW	DC
200G QSPF56 LR4	LWDM4 DML	10km/20km	Dual LC	7.5W	GQ5-SPO201-LR4CZ	DC
200G QSPF56 SR2	850nm VCSEL	100m	MP012	5W	GQ5-MPO201-SR2C	DC

1G-10G Optical Transceiver



Product	TX	Reach	RX	P/N	Use
10G XFP	850nm	400m	LC	GX-85192-SRx	DC/5G
	1310nm	2/10/20/40km		GX-31192-02C/GX-31192-LRx/GX-31192-L2C/GX-31192-ERx	
	1550nm	40/80/120km		GX-55192-ERC/GX-55192-12C/GX-55192-ZRx	
10G XFP BIDI	1270/1330nm	10/20/40/50km	Simplex LC	GBX-xxxx192-LRC/GBX-xxxx192-L2C/GBX-xxxx192-ERC/GBX-xxxx192-ESC	DC/5G
	1490/1550nm	80km		GBX-xxxx192-EBC	
	1271~1611nm(20nm)	10/40km		GXC-xx192 -01x/GXC-xx192 -04x	
10G XFP CWDM	1591~1611nm(20nm)	70km	LC	GXC-xx192 -07x	DC/5G
	1471~1571nm(20nm)	80km		GXC-xx192 -08x	
	1528.77~1563.05nm(100GHz)	40/80km		GXC-xx192 -01x/GXC-xx192 -04x	
10G XFP DWDM	1528.77~1563.05nm(50GHz)	80km	LC	GXC-xx192 -07x	DC/5G
	1528.77~1560.61nm(100GHz)	120km		GXC-xx192 -08x	
	850nm	400m		GPP -85192-SRx	
10G SFP+	1310nm	220m/2/10/20/40km	LC	GPP -31192-LRMC/GPP -31192-02C/GPP -31192-LRx/GPP -31192-L2C/GPP -31192-ERC	DC/5G
	1550nm	40/60/80km		GPP -55192-ERC/GPP -55192-E6C/GPP -55192-ZRx	
	10G SFP+ BIDI	1270/1330nm	10/20/40/60km	Simplex LC	GBP -xxxx192 -LRx(I)/GBP -xxxx192 -L2x(I)/GBP -xxxx192 -ERx(I)/GBP -xxxx192 -E6x(I)
1490/1550nm		80km	GBP -xxxx192 -08C/GBP -xxxx192 -E8C		
1271~1611nm (20nm)		10/20/40km	GCP -xx192 -01x/GCP -xx192 -02x/GCP -xx192 -04x		
10G SFP+ CWDM	1591~1611nm (20nm)	70km	LC	GCP -xx192 -07x	DC/5G
	1471~1571nm (20nm)	80km		GCP -xx192 -08x	
	10G SFP+ DWDM	C18-C61 100GHz	40/70/80km	LC	GDP-xx192-04C/GDP-xx192-07C/GDP-18192-08C
CH18-CH61 50GHz		80km	GDP-xxxx192-08C		
C-band (50GHz)		80km	GPU -Cxxx -08CD		
10G SFP+ DWDM Tunable	850nm	300m/500m	LC	GP-8548-53xD/GP-8548-55xD	DC/5G
	1310nm	2/20/40km		GP-3148-02xD/GP-3148-L2xD/GP-3148-L4CD	
	1550nm	40/80km		GP-5548-L4xD/GP-5548-L8CD	
2.5G SFP	1310/1550nm	20km	Simplex LC	GPB-xx48x-L2xD	DC/5G
	1490/1550nm	40/80km		GPB-xx48x-L4CD/GPB-4xx48L-L8CD	
	1310/1490nm	20km		GCB-3448-L2CD/GCB-4348-L2CD	
2.5G CSFP	1310/1550nm	20km	LC	GCB-3548-L2CD/GCB-5348-L2CD	DC/5G
	1271~1611nm (20nm)	40km		GPC-xx48-04xD	
2.5G SFP CWDM	1471~1611nm (20nm)	80km	LC	GPC-xx48-08CD	DC/5G
	1528.77~1563.05nm (100GHz)	80km		GPD-xxMR-08CD/GPD-xx48-08CD	
1G SFP	850nm	550m	LC	GP -8524 -55xD	DC/5G
	1310nm	2/20/40km		GP -1324 -02xD/GP -3124 -L2xD/GP -3124 -L4xD	
	1550nm	40/80/120km		GP -5524 -L4xD/GP -5524 -L8xD/GP -5524 -L2CD	
1G SFP BIDI	1310/1550nm	2/20/40/60km	Simplex LC/SC	GPB -xx24x -02xD/GPB -xx24x -L2xD/GPB -xx24x x-L4xD/GPB xx24L -L6CD	DC/5G
	1310/1490nm	20/40km		GPB -xx24x -L2xD/GPB -xx24x -L4xD/	
	1490/1550nm	80/120km		GPB -xx24L -L8CD/GPB -xx24L -12CD	
1G CSFP	1310/1490nm	20/40km	LC	GCB -xx03 -L2xD/GCB -xx03 -L4xD	DC/5G
	1310/1550nm	20/40km		GCB -xx03 -L2xD/GCB -xx03 -L4xD	
	1271~1611nm (20nm)	40/80km		GPC -xx24-04xD/GPC -xx 24-08xD	
1G SFP CWDM	1271~1431nm (20nm)	100km	LC	GPC -xx 24-10CD	DC/5G
	1451~1611nm (20nm)	120km		GPC -xx 24-12CD	
	1G SFP DWDM	1528.77~1563.05nm (100GHz)	80/120km	LC	GPD -xx 24-08CD/GPD -xx 24-12CD

AOC(Active optical cable)

03

HAOC (5G)				
Product	Data Rate	Reach	Max. power consumption	P/N
10G SFP+ HAOC	10.3125Gbps	300m	0.8W	G5S-MD0100-xxxT
25G SFP28 HAOC	25.78125Gbps	70m/100m	1W	G5S-MD0250-xxxT
100G QSFP28 HAOC	103.125Gbps	70m/100m	2W	G0S-MD0101-xxxT
100G QSFP28 to 4x 25G SFP28 HAOC	103.125Gbps	1m~100m	2W/4W	GQP-MD0101-xxxT

AOC (Data Center)

Product	Data Rate	Reach	Max. power consumption	P / N
800G QSFP-DD AOC	850Gbps	30m (OM3) or 50m (OM4)	14W	GQC-MD0121-xxxC
800G QSFP AOC	850Gbps	30m (OM3) or 50m (OM4)	14W	GQ5-MD0111-xxxC
800G QSFP-DD to 2x400G QSFP112 Breakout AOC	850Gbps	30m (OM3) or 50m (OM4)	14W(800G)/8W(400G)	GQ5-MD0111-xxxxC
800G QSFP to 2x400G QSFP112 Breakout AOC	850Gbps	30m (OM3) or 50m (OM4)	14W(800G)/8W(400G)	GQD-MD0201-xxxC
400G QSFP56-DD AOC	425Gbps	70m (OM3) or 100m (OM4/OM5)	9W	GQD-MD0401-xxxC
400G QSFP56-DD to 2x 200G QSFP56 AOC	425Gbps	70m (OM3) or 100m (OM4/OM5)	9W(400G)/5W(200G)	GDA2-MD0401-xxxC
400G QSFP56-DD to 4x 100G QSFP56 AOC	425Gbps	70m (OM3) or 100m (OM4/OM5)	9W(400G)/4.5W(100G)	GDA4-MD0401-XXXC
400G QSFP56-DD to 8x 50G SFP56 AOC	425Gbps	70m (OM3) or 100m (OM4/OM5)	9W(400G)/2W(50G)	GD58-MD0401-xxxC
400G QSFP112 AOC	425Gbps	60m (OM3) or 100m (OM4)	8W	GQ5-MD0401-XXXC
400G OSFP-RHS AOC	425Gbps	60m (OM3) or 100m (OM4)	8W	GQP-MD0401-XXXC
400G OSFP-RHS to 2x200G QSFP56 AOC	425Gbps	60m (OM3) or 100m (OM4)	8W(400G)/4.2W(200G)	GQ5-GDA2MD0401-xxxxC
200G QSFP28-DD AOC	206.25Gbps	70m (OM3) or 100m (OM4)	4W	GQD-MD0201-xxxC
200G QSFP28-DD to 2x 100G QSFP28 AOC	206.25Gbps	70m (OM3) or 100m (OM4)	4W(200G)/2W(100G)	GDA2-MD0201-xxxC
200G QSFP28-DD to 4x 50G QSFP28 AOC	206.25Gbps	70m (OM3) or 100m (OM4)	4W(200G)/1.5W(50G)	GDA4-MD0201-xxxC
200G QSFP56 AOC Lite	212.5Gbps	35m (OM3)	4.5W	GQ5-MD0201-xxxCW
200G QSFP56 AOC	206.25Gbps	70m (OM3) or 100m (OM4/OM5)	5W	GQ5-MD0201-xxxC
200G QSFP56 to 2x 100G QSFP56 AOC	206.25Gbps	70m (OM3) or 100m (OM4/OM5)	5W(200G)/4.5W(100G)	GQD-MD0201-xxxC
200G QSFP56 to 4x 50G QSFP56 AOC	206.25Gbps	70m (OM3) or 100m (OM4/OM5)	5W(200G)/4.5W(50G)	GQD4-MD0201-xxxC
200G QSFP56 to 4x 50G SFP56 AOC	206.25Gbps	70m (OM3) or 100m (OM4/OM5)	5W(200G)/2W(50G)	GQP-MD0201-xxxC
128GFC QSFP28 AOC	112.2Gbps	70m (OM3) or 100m (OM4)	2W	GQ5-MD0111-xxxC
128GFC QSFP28 AOC (Enhanced)	112.2Gbps	200m (OM3) or 300m (OM4)	2W	GQ5-MD0111-xxxxC
120G CXP AOC	103.125Gbps	300m (OM3) or 400m (OM4)	4.5W	GQC-MD0121-xxxC
120G CXP to 3x 40G QSFP+ AOC	103.125Gbps	100m (OM3)	4.5W(120G)/1.5W(40G)	GQC-MD0121-xxxC
100G QSFP28 AOC	103.125Gbps	70m (OM3) or 100m (OM4)	2W	GQ5-MD0101-xxxC
100G QSFP28 AOC (Enhanced)	103.125Gbps	200m (OM3) or 300m (OM4)	2W	GQ5-MD0101-xxxxC
100G QSFP28 to 2x 50G QSFP28 AOC	112.2Gbps	70m (OM3) or 100m (OM4)	2W(100G)/1.5W(50G)	GQ52-MD0101-xxxC
100G QSFP28 to 4x 25G SFP28 AOC	103.125Gbps	70m (OM3) or 100m (OM4)	2W(100G)/1W(25G)	GQP-MD0101-xxxC
56G QSFP+ AOC	56.25Gbps	100m (OM3) or 150m (OM4)	1.5W	GQ5-MD0560-xxxC
56G QSFP28 AOC	56.1Gbps	70m (OM3) or 100m (OM4)	1.5W	GQD-MD0560-xxxC
50G SFP56 AOC	53.125Gbps	70m (OM3) or 100m (OM4/OM5)	2W	G5S-MD0280-xxxxC
40G QSFP+ AOC	41.25Gbps	300m (OM3) or 400m (OM4)	1.5W	GQ5-MD0400-xxxC
40G QSFP+ to 4x 10G SFP+ AOC	41.25Gbps	100m (OM3)	1.5W(40G)/1W(10G)	GQP-MD0400-xxxC
32GFC SFP28 AOC	28.05Gbps	70m (OM3) or 100m (OM4)	1W	G5S-MD0280-xxxC
32GFC SFP28 AOC (Enhanced)	28.05Gbps	200m (OM3) or 300m (OM4)	1W	G5S-MD0280-xxxxC
25G SFP28 AOC	25.78125Gbps	70m (OM3) or 100m (OM4)	1W	G5S-MD0250-xxxC
10G SFP+ AOC	10.3125Gbps	300m (OM3)	1W	G5S-MD0100-xxxC

Immersion Liquid Cooling DAC

Product	Speed	Reach	P/N
10G SFP+ DAC	10.52Gbps	7m	GL5-PC100-XXC
25G SFP28 DAC	25.78125Gbps	5m	GL5-PC250-XXC
40G QSFP+ DAC	41.25Gbps	5m	GLQ-PC400-XXC
100G QSFP28 DAC	103.12Gbps	5m	GLQ-PC101-XXC
200G QSFP56 DAC	212.5Gbps	3m	GLQ-PC201-XXC
200G QSFP-DD DAC	206.25Gbps	3m	GLD-PC201-XXC
400G QSFP-DD DAC	425Gbps	3m	GLD-PC401-XXC
400G QSFP-RHS DAC	425Gbps	3m	GLD-PC401-XXC
400G QSFP112 DAC	425Gbps	3m	GLQ-PC401-XXC
800G QSFP-DD DAC	850Gbps	2m	GLD-PC801-XXC
800G OSFP DAC	850Gbps	2m	GLD-PC801-XXC

SDI Optical Transmission Solution

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SDI Optical Transceiver

Product	Wave length	Reach	Power	P/N
48G SDI QSFP+ PSM4	1310nm	10km/20km	3.5W	GHM-3148G-LXCDM
12G-SDI SFP+	1310nm	20km	1.5W	GHP-3112G-L2CDM
12G-SDI SFP+ BIDI	1270nm/1330nm	20km	1W	GHB-XX12GL-L2CD
12G-SDI SFP+ CWDM	1271nm~1451nm	10km	1.5W	GHC-XX12G-LXCDM
12G SDI DWDM O-BAND	16CH O-BAND 100GHz	30km	TBD	TBD
12G-SDI SFP+ Tx	1310nm	20km	0.6W	GHT-3112G-L2CDM
12G-SDI SFP+ CWDM Tx	1271nm~1451nm	10km	0.6W	GHTC-XX12G-LXCDM
12G-SDI SFP+ 2Tx	1310nm	20km	1.2W	GTT-3112G-L2CD
12G-SDI SFP+ CWDM 2Tx	1271nm~1451nm	10km	1.2W	GTTC-XXX0X12G-1LCD
12G-SDI SFP+ Rx	1310nm	20km	0.5W	GHR-12G-L2CD
12G-SDI SFP+ 2Rx	1310nm	20km	1W	GRR-12G-L2CD
3G-SDI SFP	1310nm/1550nm	2 ~ 80km	1.4W	GHP-313G-02x(D)
3G-SDI CWDM SFP	1270nm~1610nm 1270nm~1570nm	20 ~ 80km	1.4W	GHP-XX3G-LXCD
3G-SDI SFP Tx	1310nm/1550nm	2 ~ 40km	1.2/1.4W	GHT-313G-02x(D)
3G-SDI SFP CWDM Tx	1270nm~1570nm	40km	1.2W	GHTC-XXXX3G-L4CD
3G-SDI SFP 2Tx	1310nm/1550nm	2 ~ 40km	1.7W	GTT-31313G-02x(D)
3G-SDI SFP CWDM 2Tx	1270nm~1570nm	40km	1.7W	GTTC-XXXX3G-L4CD
3G-SDI SFP Rx	1310nm	2 ~ 40km	0.5W	GHR-3G-xxx
3G-SDI SFP 2Rx	1310nm	2 ~ 40km	0.5W	GRR-3G-xxxxD

3G/12G/48G SDI Optical Extenders

Product	Application	Max. Distance	Optical Interface	Electrical Interface	Part Number
16x3G-SDI over Fiber, 2x GE, WebManaged(Tx)	16x3G-SDI	0 ~ 20 km/20 ~ 40 km	FC/LC	16x BNC	G-SDI-E-16*3G-TX-IP-NMS
16x3G-SDI over Fiber, 2x GE, Web Managed(Rx)	16x3G-SDI	0 ~ 20 km/20 ~ 40 km	FC/LC	16x BNC	G-SDI-E-16*3G-RX-IP-NMS
4 x12G Mini-SDI Optical Fiber Extender (TRx w/ CDR)	4x 12G-SDI	1270nm/1330nm	1x QSFP+ (TRx)	4x BNC Input 4x BNC Output	G-SDI-E-4*12G-TRA G-G-SDI-E-4*12G-T G-SDI-E-4*12G-R G-G-SDI-E-4*12G-T G-SDI-E-4*12G-R
4x12G SDI DWDM Optical Extender (Tx/Rx)	4x 12G-SDI	20km	Simplex FC	4x BNC Input/Output	G-SDI-E-4*12G-TRA G-G-SDI-E-4*12G-T G-SDI-E-4*12G-R G-G-SDI-E-4*12G-T G-SDI-E-4*12G-R
2x12G SDI Optical Extender (TRx)	2x 12G-SDI	20km	2x SFP+ (TRx)	2x BNC Input 2x BNC Output	G-SDI-E-1*12G-TR G-SDI-E-1*12G-T G-SDI-E-1*12G-R G-SDI-E-1*12G-TR
1x12G SDI Optical Extender (Tx)	1x 12G-SDI	20km	1x SFP+ (TRx)	1x BNC Output	G-SDI-E-1*12G-T G-SDI-E-1*12G-Rx
1x12G SDI Optical Extender (Rx)	1x 12G-SDI	20km	1x SFP+ (TRx)	1x BNC Output	G-SDI-E-1*12G-T G-SDI-E-1*12G-Rx
4x3G SDI Optical Extender (Tx)	4x 3G-SDI	40km	2x SFP (2Tx)	4x BNC Output	G-SDI-E-4*3G-Tx G-SDI-E-4*3G-Rx
4x3G SDI Optical Extender (Rx)	4x 3G-SDI	40km	2x SFP (2Tx)	4x BNC Output	G-SDI-E-4*3G-Tx G-SDI-E-4*3G-Rx

DAC (Copper Cable)

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PCC/ACC

Product	Data Rate	Port 1	Port 2	Reach	P/N
800G PCC/ACC					
800G QSFP112-DD PCC	850Gbps	QSFP112-DD	QSFP112-DD	1m (30AWG) /2m (26AWG)	GQ5-PC801-xxC
800G QSFP-DD to 2x400G QSFP112 Breakout PCC	850Gbps/2x425Gbps	QSFP-DD	QSFP112	1m (30AWG) /1.8m (26AWG)	GQD-2QC801-xxxC
800G OSFP PCC	850Gbps	OSFP	OSFP	0.5m/1m (30AWG) 2m (26/25AWG)	GQ5-PC801-XXXXC
800G OSFP to 2x400G OSFP-RHS Breakout PCC	850Gbps/2x425Gbps	OSFP	OSFP-RHS	1m (30AWG) 1.8m (26AWG)	GQ5-2OPC801-xxC
800G OSFP to 2x400G QSFP112 Breakout PCC	850Gbps/2x425Gbps	OSFP	QSFP112	1.5m (30AWG) 3m (26AWG)	GQ5-2Q112P801-xxC
800G OSFP to 4x200G QSFP112 Breakout PCC	850Gbps/4x212.5Gbps	OSFP	QSFP112	1.5m (30AWG) 3m (26AWG)	GQ5-4Q112P801-xxC
800G QSFP-DD ACC	850Gbps	QSFP-DD	QSFP-DD	4m (26AWG)	GQD-AC801-DXXC
800G QSFP-DD to 2x400G QSFP112 Breakout ACC	850Gbps/2x425Gbps	QSFP-DD	QSFP112	5m (26AWG)	GQD-2QC801-xxC
800G OSFP ACC	850Gbps	OSFP	OSFP	5m (26AWG)	GQ5-AC801-XXXXC
800G OSFP to 2x400G OSFP-RHS Breakout ACC	850Gbps/2x425Gbps	OSFP	OSFP-RHS	5m (26AWG)	GQ5-2OAC801-xxC
800G OSFP to 2x400G OSFP-RHS Breakout ACC	850Gbps/4x212.5Gbps	OSFP	OSFP-RHS (Flat-top)	4m (30AWG) /5m (26AWG)	GQ5-4OAB01-xxC
800G OSFP to 2x400G QSFP112 Breakout ACC	850Gbps/2x425Gbps	OSFP	QSFP112	4m (30AWG) /5m (26AWG)	GQ5-2Q112A801-xxC
800G OSFP to 4x200G QSFP112 Breakout ACC	850Gbps/4x212.5Gbps	OSFP	QSFP112	4m (30AWG) /5m (26AWG)	GQ5-4Q112A801-xxC

400G PCC/ACC					
400G QSFP56-DD PCC	425Gbps	QSFP56-DD	QSFP56-DD	2m (30AWG) /3m (26AWG)	GQD-PC401-xxC
400G QSFP56-DD to 2x 200G QSFP56 PCC	425Gbps/2x212.5Gbps	QSFP56-DD	QSFP56	2m (30AWG) /3m (26AWG)	GQD-2Q56P401-xxC
400G QSFP56-DD to 4x 100G QSFP56 PCC	425Gbps/4x103.125Gbps	QSFP56-DD	QSFP56	2m (30AWG) /3m (26AWG)	GQD-4Q56P401-xxC
400G QSFP56-DD to 8x 50G SFP56 PCC	425Gbps/8x53.125Gbps	QSFP56-DD	SFP56	2m (30AWG) /3m (26AWG)	GQD-8S56P401-XXC
400G QSFP112 PCC	425Gbps	QSFP112	QSFP112	1m (30AWG) /2m (26AWG)	GQ5-PC401-xxC
400G OSFP-RHS PCC	425Gbps	OSFP-RHS	OSFP-RHS	1m (30AWG) /2m (26AWG)	GQ5-PC401-xxC
400G OSFP-RHS to 2x 200G QSFP56 PCC	425Gbps/2x212.5Gbps	OSFP-RHS	QSFP56	1.5m (30AWG) 2m (26AWG)	GQ5-2Q56P401-xxC
400G OSFP-RHS to 2x 200G QSFP28 PCC	425Gbps/2x212.5Gbps	OSFP-RHS	QSFP28	1.5m (30AWG) 2m (26AWG)	GQ5-2Q28P401-xxC
400G OSFP-RHS to 4x 100G QSFP28 PCC	425Gbps/4x103.125Gbps	OSFP-RHS	QSFP28	1.5m (30AWG) 2m (26AWG)	GQ5-4Q28P401-xxC
400G QSFP-DD ACC	425Gbps	OSFP-DD	OSFP-DD	7m (26AWG)	GQD-AC401-DXXC
400G QSFP112 ACC	425Gbps	QSFP112	QSFP112	2~5m (26/25AWG)	GQ5-AC401-xxC
400G OSFP-RHS ACC	425Gbps	OSFP-RHS	OSFP-RHS	3~4m(30/26AWG) 4~7m(26AWG)	GQ5-AC401-XXC

200G PCC/ACC					
200G QSFP-DD PCC	206.25Gbps	QSFP28-DD	QSFP28-DD	3m (30AWG) /5m (26AWG)	GQD-PC201-xxC
200G QSFP56 PCC	212.5Gbps	QSFP56	QSFP56	2m (30AWG) /3m (26AWG)	GQ5-PC201-XXC
200G QSFP56-DD to 2x 100G QSFP56 PCC	212.5Gbps	QSFP56	QSFP56	3m (30AWG) /2m (26AWG)	GQ5-Q256-PXXC
200G QSFP56 to 4x 50G SFP56 PCC	212.5Gbps/4x53.125Gbps	QSFP56	SFP56	2m (30AWG) /3m (26AWG)	GQ5-Q256-PXXC
200G QSFP56 ACC	212.5Gbps	QSFP28	QSFP28	7m (26AWG)	GQ5-AC201-XXXXC

200G/100G/56G/40G/25G/10G PCC					
100G QSFP28 PCC	103.125Gbps	QSFP28	QSFP28	3m (30AWG) /5m (26AWG)	GQ5-PC101-xxC
100G QSFP28 to 4x 25G SFP28 PCC	103.125Gbps/4x25.78125Gbps	QSFP28	SFP28	3m (30AWG) /5m (26AWG)	GQ5-4P28-PxxC
100G SFP112 PCC	103.125Gbps	SFP112	SFP112	1.8m (26AWG)	G5S-PC101-xxC
100G SFP112 ACC	103.125Gbps	SFP112	SFP112	5m (26AWG)	G5S-AC101-xxC
56G QSFP+ PCC	56.25Gbps	QSFP+	QSFP+	2m (30AWG) 3m (28AWG) /5m (26AWG)	GQ5-PC560-xxxxC
50G SFP56 PCC	53.125Gbps	SFP56	SFP56	2m (30AWG) /3m (26AWG)	G5S-PC560-xxC
40G QSFP+ PCC	41.25Gbps	QSFP+	QSFP+	3m (30AWG) /5m (26AWG)	GQ5-PC400-xxC
40G QSFP+ to 4x 10G SFP+ PCC	41.25Gbps/4x10.3125Gbps	QSFP+	SFP+	3m (30AWG)	GQ5-PC400-xxC
25G SFP28 PCC	25.78125Gbps	SFP28	SFP28	2m (30AWG) /5m (26AWG)	GPP-PC250-XXXXC
10G SFP+ PCC	10.3125Gbps	SFP+	SFP+	3m (30AWG) /7m (24AWG)	GPP-PC192-xxxxC

Note: The "xxx" in the model indicates the length, such as 001=1m, 002=2m, 010=10m, 100=100m, and so on.

Coherent/Non-Coherent DWDM Solution

07

DCI BOX

The GIGALIGHT 2U 12.8T DCI BOX is an open coherent DWDM optical transport platform for data center interconnect (DCI) and metro optical transmission applications.

Parameters	Specifications
Client-side Rate	400GE/100GE/OTU4 or 10GE/OC-192/STM-64/8GFC/10GFC/16GFC
Line-side Rate	100G/200G/400G
ROADM Dimension	9
Power Consumption	≤300W
Dimensions(W×H×D)	440mm×88mm×420mm
Power Supply	AC(90V to 264V, 50/60Hz),DC(-36V to +60V)

1U 800G DCI BOX

The GIGALIGHT 1U 800G DCI BOX supports ultra-large capacity service access, ultra-long-distance service transmission, and simple and convenient operation and maintenance management. It can operate reliably and save energy and reduce emissions, which can effectively meet the data center interconnection (DCI) needs of Internet companies, operators, and cloud service providers etc.



Product Features		Description
Environmental requirements	Operating temperature	-10℃~60℃
	Storage temperature	-20℃~75℃
	Relative humidity	5%~95% No condensation
Size(W×H×D)	1U	482.6×44.5×300mm
	AC	85~264V, 50~60Hz
Power supply	DC	36~72V
	Power Consumption	1U

1U 6.4T DCI BOX

The 1U 6.4T DCI BOX is an industry-leading innovative data center interconnection product. It provides ultra large capacity business access, ultra long distance business transmission, simple and convenient operation and maintenance management (Web/SNMP), and can also operate reliably, save energy, and reduce emissions. It can effectively meet the needs of data center interconnection for users such as internet companies, operators, and