



GIGALIGHT OPEN OPTICAL NETWORK PRODUCT GUIDE

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Pluggable Transceivers / HYBRID Transceivers

01

Product	Wavelength	LD	PD	Max Distance or Length	Optical Interface	Max. Power	P/N
800G OSFP-HRO 2xDR4/DR8	1310nm	SiPh	PIN	500m	Dual MPO	13W	TBD
1.6T OSFP224-HRO 2xDR4/DR8	1310nm	SiPh	PIN	500m	Dual MPO	21W	TBD

Product	LD	Reach	Optical Interface	Max. Power	P/N	Use
1.6T OSFP224 2X DR4	1310nm SiPh	500m	2xMPO12	TBD	TBD	AI/DC
1.6T OSFP224 2X FR4	CWDM4 SiPh	2km	2xDual LC	TBD	TBD	AI/DC
800G OSFP VR8	850nm VCSEL	30m (OM3) /50m (OM4)	MPO16/2xMPO12	13.5W	G0S-MPO801-VR8C	AI/DC
800G OSFP SR8	850nm VCSEL	60m (OM3) /100m (OM4)	MPO16/2xMPO12	13.5W	G0S-MPO801-SR8C	AI/DC
800G OSFP DR8/DR8+	1310nm CW+MZ	500m/2km	Dual MPO12	16W	G0S-SI801DR8CA	AI/DC
800G OSFP DR8+	1310nm CW+MZ	10km	Dual MPO12	18.5W	G0S-SI801LDR8C	AI/DC
800G OSFP 2xFR4	CWDM4 CW+MZ	2km	Dual Duplex LC	16W	G0S-SI8012FR4C	AI/DC
800G OSFP 2xLR4	CWDM4 CW+MZ	10km	Dual Duplex LC	16W	G0S-SI8012LR4C	AI/DC
800G OSFP-DD VR8	850nm VCSEL	30m (OM3) /50m (OM4)	MPO16/2xMPO12	13.5W	G0D-MPO801-VR8C	AI/DC
800G OSFP-DD SR8	850nm VCSEL	60m (OM3) /100m (OM4)	MPO16/2xMPO12	13.5W	G0D-MPO801-SR8C	AI/DC
800G OSFP-DD DR8/DR8+	1310nm CW+MZ	500m/2km	MPO16	18.5W	G0D-SI801DR8C	AI/DC
800G OSFP-DD DR8+	1310nm CW+MZ	10km	MPO16	18.5W	G0D-SI801LDR8C	AI/DC
800G OSFP-DD 2xFR4	CWDM4 CW+MZ	2km	Dual Duplex LC	16W	G0D-SI8012FR4C	AI/DC
800G OSFP-DD 2xLR4	CWDM4 CW+MZ	10km	Dual Duplex LC	16W	G0D-SI8012LR4C	AI/DC
800G OSFP112 DR4	1310nm SiPh	500m	MPO12	15W	G0S-SI801DR4C	AI/DC
800G OSFP112 FR4	CWDM4 SiPh	2km	Dual LC	15W	G0S-SI801FR4C	AI/DC
800G OSFP224 DR4	1310nm SiPh	500m	MPO12	15W	G0S-SI811DR4C	AI/DC
800G OSFP224 FR4	CWDM4 SiPh	2km	Dual LC	15W	G0S-SI811FR4C	AI/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	G5S-MPO560-SRC G5S-MPO560-SRT	DC/5G
50G SFP56 LR	1310nm EML	PIN	3W	10km	0-70/-40~+85	G5S-SP0500-LR1C G5S-SP0500-LR1T	DC/5G
50G OSFP28 SR2	VCSEL (2X 25G)	PIN	2W	100m	0-70/-40~+85	G0S-MPO560-SR2	AI/DC
50G SFP56 LR	1310nm DML	PIN	3W	10km	0-70/-40~+85	G5S-SP0500-LR1C2	DC/5G
50G SFP56 ER	1310nm EML	APD	3W	40km	0-70/-40~+85	G5S-SP0500-ER1C G5S-SP0500-ER1T	DC/5G
50G SFP56 BR20-D	1330/1270nm EML	PIN	3W	20km	0-70/-40~+85	GBS-3327500-12C GBS-3327500-12T	DC/5G
50G SFP56 BR20-U	1270/1330nm EML	PIN	3W	20km	0-70/-40~+85	GBS-2733500-L2C GBS-2733500-L2T	DC/5G
50G SFP56 BR30-U	1310/1270nm EML	APD	3W	30km	0-70/-40~+85	GBS-3127500-L3C GBS-3127500-L3T	DC/5G
50G SFP56 BR30-U	1270/1310nm EML	APD	3W	30km	0-70/-40~+85	GBS-2731500-L3C GBS-2731500-L3T	DC/5G
50G SFP56 DWDM	C-BAND EML	PIN	3W	5km	0-70/-40~+85	G5S-Dxx500-05C G5S-Dxx500-05T	DC/5G
40G QSFP+ SR4	850nm VCSEL	PIN	1.5W	300m(OM3)/400m(OM4)	0-70/-40~+85	G0S-MPO400-SR4C G0S-MPO400-SR4T	DC/5G
40G QSFP+ PSM4	1310nm FP/DML	PIN	3.5W	2km/10km	0-70	G0M-SP0400-IR4C G0M-SP0400-LR4C	DC/5G
40G QSFP+ LR4	CWDM4 FP/DML	PIN	3.5W	2km/10km	0-70	G0S-SP0400-IR4C G0S-SP0400-LR4C	DC/5G
40G QSFP+ ER4	CWDM4 DML	APD	3.5W	40km	0-70	G0S-SP0400-ER4C	DC/5G
40G QSFP+ ZR4	LWDM4 EML	APD	3.5W	80km	0-70	G0S-SP0401-ZR4C	DC/5G
32G SFP28 SR	850nm VCSEL	PIN	1W	70m(OM3)/100m(OM4)	0-70/-40~+85	G5S-MPO280-SRC G5S-MPO280-SRT	DC/5G
32G SFP28 eSR	850nm VCSEL	PIN	1W	200m(OM3)/300m(OM4)	0-70/-40~+85	G5S-MPO280-eSRC G5S-MPO280-eSRT	DC/5G
32G SFP28 LR	1310nm EML	PIN	1.8W	10km	0-70/-40~+85	G5S-MPO280-LRC G5S-MPO280-LRT	DC/5G
32G SFP28 ER	1310nm EML	APD	1.8W	40km	0-70/-40~+85	G5S-MPO280-ERC G5S-MPO280-ERT	DC/5G
32G SFP28 DWDM	C18-C61 100GHz EML	PIN	1.8W	2km/10km	0-70/-40~+85	G5S-Dxx280-LRC G5S-Dxx280-LRT	DC/5G
25G SFP28 SR	850nm VCSEL	PIN	1W	102m/300m	-40~+85	G5S-MPO250-SRT G5S-MPO250-CSRT	DC/5G
25G SFP28 LR	1310nm DML	PIN	1.2W	10km/20km	-40~+85	G5S-SP0250-LRT G5S-SP0250-L2T	DC/5G
25G SFP28 ER	1310nm EML	APD	1.8W	40km	-40~+85	G5S-SP0250-ERT	DC/5G
25G SFP28 ZR	1300nm EML	SOA+PIN	2.5W	80km	0-70	G5S-SP0250-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 EML	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 EML	APD	1.8W	20km	-40~+85	GBP-3327250-L2T	DC/5G
25G SFP28 BR40-U	1270/1330nm EML 1310/1270nm EML	APD	1.9W	40km	-40~+85	GBP-2731250-ERT GBP-2733250-ERT	DC/5G
25G SFP28 BR40-D	1330/1270nm EML	APD	1.9W	40km	-40~+85	GBP-3127250-ERT GBP-3327250-ERT	DC/5G
25G SFP28 DWDM	1271~1371nm DML 1271~1371nm DML 1411~1591nm DML	PIN/APD/APD	1.8W	10km/10km/15km	-40~+85	G5S-Cxx250-LRT G5S-Cxx250-LRT G5S-Cxx250-LST	DC/5G
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	12km/20km/40km	-40~+85	G5S-Cxx250-LRT G5S-Cxx250-LRT G5S-Cxx250-LST G5S-Cxx250-ERT	DC/5G
25G SFP28 DWDM	C-BAND EML	PIN/APD	1.8W/2W	2km/10km	-40~+85	G5S-Dxx250-02T G5S-Dxx250-LRT	DC/5G
25G SFP28 DWDM	O-BAND DML	PIN/APD	1.8W/2W	10km/40km	-40~+85	G5S-Cxx250-LRT G5S-Dxx250-ERT	DC/5G
16G SFP+ SR	850nm VCSEL	PIN	1.2W	100m(OM3)/190m(OM4)	0-70	GPP-85146-SRC	DC/5G
16G SFP+ LR	1330nm DML	PIN	1.5W	10km	0-70	GPP-3114G-LRC	DC/5G
16GCF 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 QSFP-DD SR8	850nm VCSEL	70m (OM3) /100m (OM4)	MPO16	8.5W	GQD-MPO401-SR8CD	DC/5G
400G QSFP-DD PSM8	1310nm EML	2km/10km	MPO16	11W	GDM-SP0401-FR8C GDM-SP0401-LR8C	DC/5G
400G QSFP-DD PSM8	1310 CW+MZ	2km/10km	MPO16	11W	GDM-SI401FR8C GDM-SI401LR8C	DC
400G QSFP-DD 2xFR4	CWDM4 DML	2km	Dual Duplex LC	9W	GQD-SP0401-FR4CZ	DC
400G QSFP-DD FR8	LWDM8 EML	2km	Dual LC	12.5W	GQD-SP0401-FR8C	DC/5G
400G QSFP-DD LR8	LWDM8 EML	10km	Dual LC	12.5W	GQD-SP0401-LR8C	DC/5G
400G QSFP-DD VR4	850nm VCSEL	30m (OM3) /50m (OM4)	MPO12	7.5W	GQD-MPO401-VR4C	DC
400G QSFP-DD SR4	850nm VCSEL	60m (OM3) /100m (OM4)	MPO12	8W	GQD-MPO401-SR4C	DC/5G
400G QSFP-DD DR4/DR4+	1310nm CW+MZ	500m/2km	MPO12	10W	GQD-SI401XR4C GQ-SI401DR4C	DC
400G QSFP-DD DR4++	1310nm CW+MZ	10km	MPO12	10.5W	GQD-SI401LDR4C	DC
400G QSFP-DD FR4	CWDM4 EML	2km	Dual LC	11W	GQD-SP0401-FR4X	DC
400G QSFP-DD LR4	CWDM4 EML	10km	Dual LC	11W	GQD-SP0401-LR4X	DC/5G
400G QSFP112 VR4	850nm VCSEL	30m (OM3) /50m (OM4)	MPO12	8W	GQS-MPO401-VR4C	DC
400G QSFP112 SR4	850nm VCSEL	60m (OM3) /100m (OM4)	MPO12	8W	GQS-MPO401-SR4C	DC/5G
400G QSFP112 DR4/DR4+	1310nm CW+MZ	500m/2km	MPO12	10W	GQS-SI401DR4C GQS-SI401LR4C	DC
400G QSFP112 DR4++	1310nm CW+MZ	10km	MPO12	10W	GQS-SI401LR4C	DC
400G QSFP112 FR4	CWDM4 EML	2km	Dual LC	11W	GQS-SP0401-FR4C	DC
400G QSFP112 LR4	CWDM4 EML	10km	Dual LC	11W	GQS-SP0401-LR4C	DC/5G
400G OSFP-RHS VR4	850nm VCSEL	30m (OM3) /50m (OM4)	MPO12	8W	GOP-MPO401-VR4C	DC
400G OSFP-RHS SR4	850nm VCSEL	60m (OM3) /100m (OM4)	MPO12	8W	GOP-MPO401-SR4C	DC
400G OSFP-RHS DR4/DR4+	1310nm CW+MZ	500m/2km	MPO12	10W	GOP-SI401DR4C GOP-SI401XR4C	DC
400G OSFP-RHS DR4++	1310nm CW+MZ	10km	MPO12	10W	GOP-SI401XR4C	DC
400G OSFP-RHS FR4	CWDM4 EML	2km	Dual LC	11W	GOP-SP0401-FR4C	DC
400G OSFP-RHS LR4	CWDM4 EML	10km	Dual LC	11W	GOP-SP0401-LR4C	DC

200G Optical Transceiver

Product	LD	Reach	Optical Interface	Max. Power	P/N	Use
200G QSFP-DD SR8	850nm VCSEL	100m	MPO24	4W	GQD-MPO201-DSR4C	DC/5G
200G QSFP-DD eSR8	850nm VCSEL	100m	MPO24/MPO16	4W	GQD-MPO201-ESR8C	DC
200G QSFP-DD 2xCWDM4	2xCWDM4 DML	2km	Dual Duplex LC	6.5W	GQD-SP0201-CLR4C	DC
200G QSFP-DD PSM8/XPSM8	1310nm DML	2km/10km/20km	MPO24/MPO16	6W/6.5W	GDM-SP0201-FR8C GDM-SP0201-FR8T GDM-SP0201-LR8C	DC/5G
200G QSFP-DD LR8	LWDM DML	10km/20km	Dual LC	7.5W	GQD-SP0201-LR8C	DC/5G
200G QSFP-DD SR4	850nm VCSEL	100m	MPO12	5W	GQS-SP0201-SR4C	DC/5G
200G QSFP-DD PSM4	1310nm EML	2km	MPO12	5.5W	GDM-SP0201-FR4C	DC/5G
200G QSFP-DD FR4	CWDM EML	2km	Dual LC	9W	GQD-SP0201-FR4C	DC/5G
200G QSFP-DD LR4	LWDM4 EML	10km	Dual LC	9W	GQD-SP0201-LR4C	DC/5G
200G QSFP-DD ER4	LWDM4 EML	40km	Dual LC	9W	GQD-SP0201-ER4C	DC/5G
200G SFP56 SR4	850nm VCSEL	70m (OM3) /100m (OM4/OM5)	MPO12	5W	GQS-MPO201-SR4C	DC
200G SFP56 DR4	1310nm DML	500m	MPO12	5.5W	GQS-SP020-DR4CZ	DC
200G SFP56 FR4	CWDM4 DML	2km	Dual LC	6W	GQS-SP0201-FR4CW	DC
200G SFP56 LR4	LWDM4 DML	10km/20km	Dual LC	7.5W	GQS-SP0201-LR4CZ	DC
200G SFP56 SR2	850nm VCSEL	100m	MPO12	5W	GQS-MPO201-SR2C	DC
200G SFP56 CLR4 10KM	CWDM4 DML	10km	Dual LC	6W	GQS-SP0201-CLR4C	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-LZC/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-LZC/GBX-xxxx192-ERC/GBX-xxxx192-E5C	DC/5G
	1490/1550nm	80km		GBX-xxxx192-E8C	
10G XFP CWDM	1271~1611nm(20nm)	10/40km	LC	GXC-xx192 -01x/GXC-xx192 -04x	DC/5G
	1591~1611nm(20nm)	70km		GXC-xx192 -07x	
10G XFP DWDM	1471~1571nm(20nm)	80km	LC	GXC-xx192 -08x	DC/5G
	1528.77~1563.05nm(100GHz)	40/80km		GXC-xx192 -01x/GXC-xx192 -04x	
	1528.77~1563.05nm(50GHz)	80km		GXC-xx192 -07x	
10G SFP+	1528.77~1563.61nm(100GHz)	120km	LC	GXC-xx192 -08x	DC/5G
	850nm	400m		GPP -85192-SRx	
	1310nm	220m/2/10/20/40km		LC	
10G SFP+ BIDI	1550nm	40/60/80km	Simplex LC	GPP -55192-ERC/GPP -55192-E6C/GPP -55192-ZRx	DC/5G
	1270/1330nm	10/20/40/60km		GBP -xxxx192 -LRx(l)/GBP -xxxx192 -LZx(l)/GBP -xxxx192 -ERx(l)/(GBP -xxxx192 -E6x(l))	
	1490/1550nm	80km		GBP -xxxx192 -08C/GBP -xxxx192 -E8C	
10G SFP+ CWDM	1271~1611nm(20nm)	10/20/40km	LC	GCP -xx192 -01x/GCP -xx192 -02x/GCP -xx192 -04x	DC/5G
	1591~1611nm(20nm)	70km		GCP -xx192 -07x	
10G SFP+ DWDM	1471~1571nm(20nm)	80km	LC	GCP -xx192 -08x	DC/5G
	C18-C61 100GHz	40/70/80km		GDP-xx192-04C/GDP-xx192-07C/GDP-18192-08C	
10G SFP+ DWDM Tunable	C18-C61 50GHz	80km	LC	GDP-xx192-08C	DC/5G
2.5G SFP	C-band (50GHz)	80km	LC	GPU -Cxxx -08CD	DC/5G
	850nm	300m/500m	LC	GP-8548-53xDP/GP-8548-55xDP	DC/5G
	1310nm	2/20/40km		GP-3148-02xDP/GP-3148-12xDP/GP-3148-L4CD	
2.5G SFP BIDI	1550nm	40/80km	Simplex LC	GP-5548-L4xDP/GP-5548-L8CD	DC/5G
	1310/1550nm	20km		GPB -xx48x-L2xDP	
2.5G CSFP	1490/1550nm	40/80km	LC	GPB -xx48x-L4CD/GPB -4xx48-L8CD	DC/5G
	1310/1490nm	20km		GCB-3448-L2CD/GCB-4348-L2CD	
2.5G SFP CWDM	1310/1550nm	20km	LC	GCB-3548-L2CD/GCB-5348-L2CD	DC/5G
	1271~1611nm(20nm)	40km		GPC-xx48-04xDP	
2.5G SFP DWDM	1471~1611nm(20nm)	80km	LC	GPC-xx48-08CD	DC/5G
	1528.77~1563.05nm(100GHz)	80km		GPD-xxMR-08CD/GPD-xx48-08CD	
1G CSFP	850nm	550m	LC	GP -8524 -55xDP	DC/5G
	1310nm	2/20/40km		GP -1324-02xDP/GP -3124 -L2xDP/GP -3124 -L4xDP	
	1550nm	40/80/120km		GP -5524 -L4xDP/GP -5524 -L8xDP/GP -5524 -12CD	
1G SFP BIDI	1310/1550nm	2/20/40/60km	Simplex LC/SC	GPB -xx24x -02xDP/GPB -xx24x -L2xDP/GPB -xx24x-L4xDP/GPB xx24L -L6CD	DC/5G
	1310/1490nm	20/40km		GPB -xx24x-L2xDP/GPB -xx24x -L4xDP/	
1G CSFP	1490/1550nm	80/120km	LC	GPB -xx24L-L8CD/GPB -xx24L -12CD	DC/5G
	1310/1490nm	20/40km		GCB -xx03 -L2xDP/GCB -xx03 -L4xDP	
1G SFP CWDM	1310/1550nm	20/40km	LC	GCB -xx03 -L2xDP/GCB -xx03 -L4xDP	DC/5G
	1271~1611nm(20nm)	40/80km		GPC -xx24-04xDP/GPC -xx24-08xDP	
1G SFP DWDM	1271~1431nm(20nm)	100km	LC	GPC -xx24-10CD	DC/5G
	1451~1611nm(20nm)	120km		GPC -xx24-12CD	
1G SFP DWDM	1528.77~1563.05nm(100GHz)	80/120km	LC	GPD -xx24-08CD/GPD -xx24-12CD	DC/5G

5G Hardened AOC				
Product	Data Rate	Reach	Max. power consumption	P/N
10G SFP+ HAOC	10.3125Gbps	300m	0.8W	G5S-MDO100-xxxT
25G SFP28 HAOC	25.78125Gbps	70m/100m	1W	G5S-MDO250-xxxT
100G QSFP28 HAOC	103.125Gbps	70m/100m	2W	GQ5-MDO101-xxxT
100G QSFP28 to 4x 25G SFP28 HAOC	103.125Gbps	1m~100m	2W/4W	GQP-MDO101-xxxT

AOC (Data Center)

Product	Wavelength	Max Distance or Length	Max.Power Consumption	P/N
800G QSFP-DD AOC	850nm	1-50m	14W	GQD-MD0801-xxxC
800G QSFP-DD to 2/4/8x Breakout AOC	850nm	1-50m	14W	GDox-MD0801-xxxxC
800G QSFP AOC	850nm	1-50m	14W	G0S-MD0801-xxxC
800G QSFP to 2/4/8x Breakout AOC	850nm	1-100m	14W	G0xx-MD0801-xxxxC
400G QSFP-DD AOC	850nm	1-100m	10W	GQD-MD0401-xxxC
400G QSFP AOC	850nm	1-100m	9W	G0S-MD0401-xxxC
400G QSFP-DD to 2/4/8x Breakout AOC	850nm	1-100m	9W (400G) / 5W (200G) / 4.5W (100G) / 2W (50G)	GDoxx-MD0401-xxxxC
400G QSFP112 AOC	850nm	1-50m	8W	GQ5-MD0401-xxxC
400G QSFP112 to 2/4x Breakout AOC	850nm	1-50m	8W	GQxx-MD0401-xxxxC
400G QSFP112 to 400G QSFP-RHS AOC	850nm	1-50m	8W	GQ50-MD0401-xxxC
400G QSFP112 to 400G QSFP56-DD AOC	850nm	1-50m	8W	GQ5D-MD0401-xxxC
400G QSFP56-DD to 400G QSFP-RHS AOC	850nm	1-50m	8W	GQDQ-MD0401-xxxC
400G QSFP-RHS AOC	850nm	1-50m	8W	G0P-MD0401-xxxC
400G QSFP-RHS to 2/4x Breakout AOC	850nm	1-100m	9W	G0xx-MD0401-xxxxC
200G QSFP-DD AOC	850nm	1-100m	4W	GQD-MQD201-xxxC
200G QSFP-DD to 2/4/8x AOC	850nm	1-100m	4W(200G) / 2W(100G) /1.5W(50G) / 1W(25G)	GDoxx-MD0201-xxxxC
200G QSFP56 AOC	850nm	1-100m	5W	GQ5-MD0201-xxxC
200G QSFP56 to 2/4x AOC	850nm	1-100m	5W(200G) / 4.5W(100G) /2W(50G)	GQxx-MD0201-xxxxC
128GFC QSFP28 AOC	850nm	70m (OM3) or 100m (OM4)	2W	GQ5-MD0111-xxxC
128GFC QSFP28 AOC (Enhanced)	850nm	200m (OM3) or 300m (OM4)	2W	GQ5-MD0111-xxxxC
120G CXP AOC	850nm	300m (OM3) or 400m (OM4)	4.5W	G0xx-MD0121-xxxC
120G CXP to 3x 40G QSFP+ AOC	850nm	100m (OM3)	4.5W(120G) /1.5W(40G)	G0CQ-MD0121-xxxC
100G QSFP28 AOC	850nm	1-100m/300m	2W	GQ5-MD0101-xxxC
100G QSFP28 to 2/4x AOC	850nm	1-100m/300m	2W (100G) /1.5W (50G) /1W (25G)	GQxx-MD0101-xxxC
100G SFP56-DD AOC	850nm	1-100m	3W	Preliminary
100G SFP56-DD to 2x AOC	850nm	1-100m	3W	Preliminary
56G QSFP+ AOC	850nm	100m (OM3) or 150m (OM4)	1.5W	GQ5-MD0560-xxxC
56G QSFP28 AOC	850nm	70m (OM3) or 100m (OM4)	1.5W	GQD-MD0560-xxxC
50G SFP56 AOC	850nm	70m (OM3) or 100m (OM4/OM5)	2W	G5S-MD0280-xxxxC
32GFC SFP28 AOC	850nm	70m (OM3) or 100m (OM4)	1W	G5S-MD0280-xxxC
32GFC SFP28 AOC (Enhanced)	850nm	200m (OM3) or 300m (OM4)	1W	G5S-MD0280-xxxxC
25G SFP28 AOC	850nm	1-100m/300m	1W	G5S-MD0250-xxxC
10G SFP+ AOC	850nm	300m (OM3)	1W	G5S-MD0100-xxxC

Immersion Liquid Cooling DAC

Product	Speed	Reach	P/N
10G SFP+ DAC	10.52Gbps	7m	GLS-PC100-XXC
25G SFP28 DAC	25.78125Gbps	5m	GLS-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	GLQ-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 QSFP DAC	850Gbps	2m	GLD-PC801-XXC

SDI Optical Transmission Solution

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-LXCDM
12G-SDI SFP+ BIDI	1270nm/1330nm	20km	1W	GHB-XX12GL-L2CD
12G-SDI SFP+ CWDM	1271nm~1451nm	10km	1.5W	GHPG-XX12G-LXCDM
12G SDI DWDM O-BAND	16CH O-BAND 150GHz	30km	1.5W	GHPD-XX12G-LXCDM
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-XXXX12G-L1CD
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	GHPG-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-xxx(D)

3G/12G/48G SDI Optical Extenders

Product	Application	Max. Distance	Optical Interface	Electrical Interface	P/N
16x3G-SDI over Fiber, 2x GE, Web Managed(Tx)	16x3G-SDI	0~20 km/20~40 km 20~60 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 20~60 km	FC/LC	16x BNC	G-SDI-E-16*3G-RX-IP-NMS
4x12G Mini SDI Optical Fiber Extender (Tx w/ CDR)	4x 12G-SDI	20km	1x QSFP+ (TRx)	4x BNC Input 4x BNC Output	G-SDI-E-4*12G-TRA
4x12G SDI CWDM Optical Extender (Tx/Rx)	4x 12G-SDI	20km	Simplex FC	4x BNC Input/Output	G-SDI-E-4*12G-TR
1x12G SDI Optical Extender (TRx)	1x SFP+ (TRx)	20km	1x SFP+ (TRx)	1x BNC Input 1x BNC Output	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-Tx
1x12G SDI Optical Extender (Rx)	1x 12G-SDI	20km	1x SFP+ (TRx)	1x BNC Output	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
4x3G SDI Optical Extender (Rx)	4x 3G-SDI	40km	2x SFP (2Tx)	4x BNC Output	G-SDI-E-4*3G-Rx

DAC / HYBRID ACC

HYBRID ACC

Product	Rate	Reach	Max.Power Consumption	P/N
800G OSFP HYBRID ACC+	850Gbps	5m	7W	Preliminary
1.6T OSFP224 HYBRID ACC+	1.6T	4m	13W	Preliminary

PCC/ACC

Product	Data Rate	Port 1	Port 2	Reach	P/N
1.6T OSFP224 ACC (RX EQ ONLY)	1600G	OSFP224	OSFP224	2m	TBD
1.6T OSFP224 ACC (Full EQ)	1600G	OSFP224	OSFP224	3m	TBD
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-xxC
800G OSFP PCC	850Gbps	OSFP	OSFP	0.5m/1m (30AWG) 2m (26/35AWG)	G0S-PC801-xxxC
800G OSFP to 2x400G QSFP-RHS Breakout PCC	850Gbps/2x425Gbps	OSFP	QSFP-RHS	1m (30AWG) /1.8m (26AWG)	GQ5-2QPC801-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-2QAC801-xxC
800G OSFP ACC	850Gbps	OSFP	OSFP	5m (26AWG)	GQ5-AC801-xxxC
800G OSFP to 2x400G QSFP-RHS Breakout ACC	850Gbps/2x425Gbps	OSFP	QSFP-RHS	5m (26AWG)	GQ5-2QAC801-xxC
800G OSFP to 4x200G QSFP-RHS Breakout ACC	850Gbps/4x212.5Gbps	OSFP	QSFP-RHS	4m (30AWG) /5m (26AWG)	GQ5-4QAC801-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 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	QSFP-RHS	1m (30AWG) /2m (26AWG)	G0P-PC401-xxC
400G OSFP to 2x 200G QSFP56 PCC	425Gbps/2x212.5Gbps	OSFP	QSFP56	1.5m (30AWG) /2m (26AWG)	GQ5-2Q56P401-xxC
400G OSFP PCC	425Gbps	OSFP	OSFP	1m (30AWG) /3m (26AWG)	GQ5-PC401-xxC
400G OSFP-RHS to 2x 200G QSFP28 PCC	425Gbps/2x212.5Gbps	OSFP-RHS	QSFP28	1.5m (30AWG) /2m (26AWG)	GQD-2Q28P401-xxC
400G OSFP-RHS to 4x 100G QSFP28 PCC	425Gbps/4x103.125Gbps	OSFP-RHS	QSFP28	1.5m (30AWG) /2m (26AWG)	GQD-4Q28P401-xxC
400G QSFP-DD ACC	425Gbps	QSFP-DD	QSFP-DD	7m (26AWG)	GQD-AC401-DxxC
400G QSFP112 ACC	425Gbps	QSFP112	QSFP112	2~5m (26/25AWG)	GQ5-AC401-xxC
400G OSFP ACC	425Gbps	OSFP	OSFP	3~4m(30/26AWG)/4~7m(26AWG)	GQ5-AC401-xxC
400G OSFP-RHS ACC	425Gbps	OSFP-RHS	QSFP-RHS	3~4m(30/26AWG)/4~7m(26AWG)	GQD-AC401-XXC
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 to 2x 100G QSFP56 PCC	212.5Gbps	QSFP56	QSFP56	3m (30AWG) /2m (26AWG)	GQ5-2Q56-PxxC
200G QSFP56 to 4x 50G SFP56 PCC	212.5Gbps/4x53.125Gbps	QSFP56	SFP56	2m (30AWG) /3m (26AWG)	GQ5-4Q56-PxxC
200G QSFP56 ACC	212.5Gbps	QSFP56	QSFP28	7m (26AWG)	GQ5-AC201-DxxC
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)	GQ5-4Q28-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+	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+	2m (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

Non-Coherent / Coherent DWDM Solutions

COLOR X O-Band/COLOR ZR+ C-Band Series

Product	LD	Reach	Optical Interface	Max. Power	P/N	Use
100G QSFP28 DWDM1	O-BAND CW+MZ	30km	Dual LC	4W	GQ5-S101-DE51C	DC/5G
100G QSFP28 PSM DWDM4	O-band 150GHz DML C-band 100GHz ZML	40km/80km	MPO	5W	GQ5-Dxx101-124C GQ5-Cxx101-ER6C	DC/5G
400G QSFP-DD PSM DWDM4	O-band CW+MZ	30km	MPO	12W	GQD-Cxx401-02R4	DC
800G QSFP112 2X PSM DWDM4	O-band CW+MZ	10km~30km	MPO	TBD	TBD	DC

Coherent DWDM Series

Parameters	2U 12.8T DCI BOX	1U 6.4T DCI BOX
Client-side Rate	400GE/100GE/OUT4 or 10GE/OC-192/STM-64/8GFC/10GFC/16GFC	100GE/OUT4
Line-side Rate	100G/200G/400G	100G/200G/400G
RODM Dimension	9	9
Power Consumption	300W	350W
Dimensions(WxHxD)	440mmx88mmx420mm	482.6mmx44.5mmx400mm
Power Supply	AC(90V to 264V, 50/60Hz),DC(-36V to +60V)	AC(100V to 240V, 50Hz to 60Hz),DC(36V to 72V)

Product	Wave length	Reach	Power	P/N
100G CFP DCO	DWDM C-band 50GHz Tunable	120km/600km/2000km	21~28W	GCF-S101-xx-xtCA
100G CFP2 DCO	DWDM C-band 50GHz Tunable	800km/2000km	22W	GF2-S101-xx-xtCA
200G CFP2 DCO	DWDM C-band 50GHz Tunable	800km/2000km	22W	GF2-S101-xx-xtCA
400G CFP2 DCO	DWDM C-band 75Hz Tunable	400km	22W	GF2-S401-MR-1TCB
400G QSFP-DD ZR	DWDM C-band 75GHz / 100GHz	120km	16.5W	GQ4-S401-ZR
400G QSFP-DD ZR+	DWDM C-band 75GHz / 100GHz	400km	22W	GQ4-S401-ZR

Non-Coherent DWDM Equipment

	1G/10G OEO	25G OEO	100G OEO	100G Muxponder
Product				
Rate Access	155Mbps~11.3Gbps	25.5~28.1Gbps	103.1~112Gbps	25.5~28.1Gbps
Service Access	Ethernet, P/SDH, ATM, etc	Ethernet, FC, etc	Ethernet, FC, etc	Ethernet, FC, etc
3rd function	Support	Support	Support	Support
Single card supports services	Single card supports 4-way bidirectional and 8-way service processing	Single card supports 4-way bidirectional and 4-way unidirectional service processing	A single card supports two two-way service processing channels	Single card supports 4-way bidirectional and 4-way unidirectional service processing
Advantage	Plug and pull design, high integration Save cabinet space Easy to expand	Plug and pull design, high integration Save cabinet space Easy to expand	Supports SNMP/ client remote management	Plug and pull design, high integration Save cabinet space Easy to expand
Line-side optical transceiver	10G SFP+ DWDM	25G SFP28 DWDM	100G QSFP28 PSM DWDM4	25G SFP28 DWDM

Immersion liquid cooling Solution