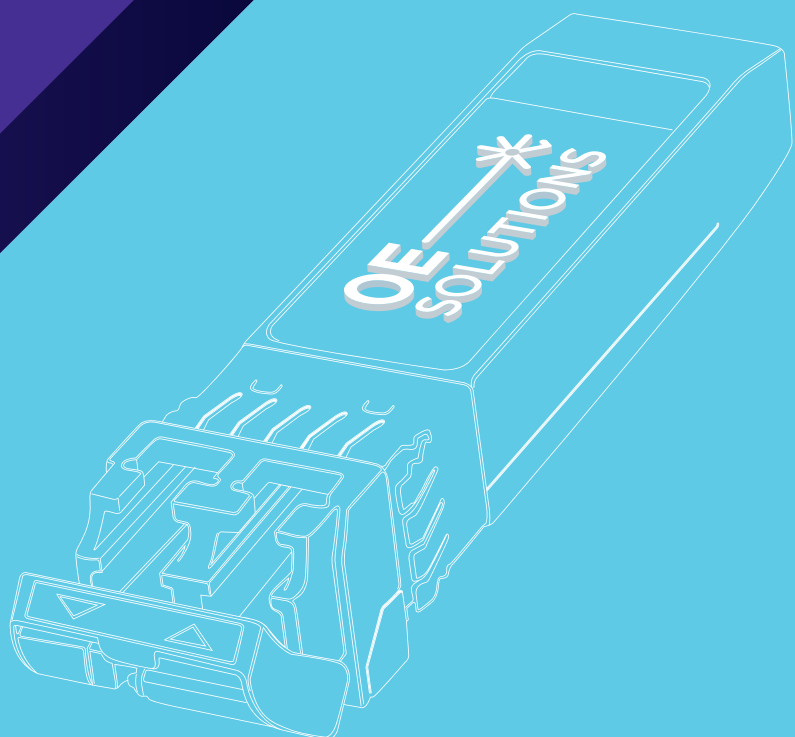


OE — * SOLUTIONS

DELIVERING OPTICAL SOLUTIONS
EMPOWERING COMMUNICATIONS





About OE Solutions

OE Solutions is a leading supplier of optoelectronic transceivers for both broadband wireless and high-speed wireline markets, including wireless backhaul, Metropolitan Area Networks (MANs), Local Area Networks (LANs), Storage Area Networks (SANs), Passive Optical Networks (PONs), and HD video transport. OE Solutions has differentiated itself by offering technical excellence and customer-oriented service since 2003. OE Solutions expanded its operations in the past decade to become one of the key suppliers to reputable system manufacturers around the world. An outstanding R&D team continuously engineers innovative, reliable, and robust products in Gwangju Photonics Industry Cluster, South Korea. The company truly believes in offering agile, flexible, and innovative products to all of its global customers.

OE Solutions America, Inc. (OESA), located in New Jersey and California, provides sales, marketing, and engineering support to further enhance customers' experience in North America, South America, and Europe.





SMART

Smart SFP™ Smart Network Smart Solutions from OE Solutions

Intelligent, innovative system functions are integrated into a conventional SFP.

Plug and play solutions for monitoring and troubleshooting Ethernet and IP services.

OAM (Operation, Administration, Maintenance)

Complies with IEEE 802.3ah, IEEE 802.1ag, and ITU-Y.1731

TSoP (Transparent SONET/SDH over Packet)

Fully transparent method for transporting SONET/SDH traffic across a packet network
Compliant to ITU-T G.825 and Telcordia GR-253

TWAMP (Two Way Active Measurement Protocols)

TWAMP Light defined in RFC 5357

Chronos Transparent SyncE

SyncE compliant and transparent for the IEEE 1588v2 protocol over a copper connection

Smart SFP™ is a trademark of OE Solutions. Codeveloped by OE Solutions and AimValley, Smart SFP™ transceivers are a subset of the intelligent transceiver product family (iTransceiver®) owned by OE Solutions. OE Solutions is the principle contact and sales channel for Smart SFP™.

OAM (Operation, Administration, Maintenance)

	Form	Data Rate	Part Number	Reach	Wavelength	LD	PD	Pout (min)	Sensitivity (max)	Link Budget	Operating Case Temperature
EFM	Duplex Transceivers	1.25 Gb/s (GbE)	RSP12SLX-IT3iE1	10km	1310nm	FP	PIN	-9dBm	-20dBm	11dB	-40~85℃
			RSP12SLE-IT3iE1	20km	1310nm	FP	PIN	-7dBm	-22dBm	15dB	-40~85℃
			RSP12SEX-IT3iE1	40km	1310nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85℃
			RSP12SZX-IT5iE1	80km	1550nm	DFB	PIN	0dBm	-24dBm	24dB	-40~85℃
	Bi-Directional Transceivers	1.25 Gb/s (GbE)	RBT12SLX-IT3/T4iE1	10km	1310nm/1490nm	FP/DFB	PIN	-9dBm	-20dBm	11dB	-40~85℃
			RBT12SLE-IT3/T4iE1	20km	1310nm/1490nm	FP/DFB	PIN	-7dBm	-22dBm	15dB	-40~85℃
			RBT12SEX-IT3/T4iE1	40km	1310nm/1490nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85℃
			RBT12SZX-IT4/T5iE1	80km	1490nm/1590nm	DFB	PIN	-1dBm	-26dBm	25dB	-40~85℃
CFM (Single MEP)	Duplex Transceivers	1.25 Gb/s (GbE) Initiator	RSP12SLX-IT3iC1I	10km	1310nm	FP	PIN	-9dBm	-20dBm	11dB	-40~85℃
			RSP12SLE-IT3iC1I	20km	1310nm	FP	PIN	-7dBm	-22dBm	15dB	-40~85℃
			RSP12SEX-IT3iC1I	40km	1310nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85℃
			RSP12SZX-IT5iC1I	80km	1550nm	DFB	PIN	0dBm	-24dBm	24dB	-40~85℃
		1.25 Gb/s (GbE) Responder	RSP12SLX-IT3iC1R	10km	1310nm	FP	PIN	-9dBm	-20dBm	11dB	-40~85℃
			RSP12SLE-IT3iC1R	20km	1310nm	FP	PIN	-7dBm	-22dBm	15dB	-40~85℃
			RSP12SEX-IT3iC1R	40km	1310nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85℃
			RSP12SZX-IT5iC1R	80km	1550nm	DFB	PIN	0dBm	-24dBm	24dB	-40~85℃
	Bi-Directional Transceivers	1.25 Gb/s (GbE) Initiator	RBT12SLX-IT3/T4iC1I	10km	1310nm/1490nm	FP/DFB	PIN	-9dBm	-20dBm	11dB	-40~85℃
			RBT12SLE-IT3/T4iC1I	20km	1310nm/1490nm	FP/DFB	PIN	-7dBm	-22dBm	15dB	-40~85℃
			RBT12SEX-IT3/T4iC1I	40km	1310nm/1490nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85℃
			RBT12SZX-IT4/T5iC1I	80km	1490nm/1590nm	DFB	PIN	-1dBm	-26dBm	25dB	-40~85℃
		1.25 Gb/s (GbE) Responder	RBT12SLX-IT3/T4iC1R	10km	1310nm/1490nm	FP/DFB	PIN	-9dBm	-20dBm	11dB	-40~85℃
			RBT12SLE-IT3/T4iC1R	20km	1310nm/1490nm	FP/DFB	PIN	-7dBm	-22dBm	15dB	-40~85℃
			RBT12SEX-IT3/T4iC1R	40km	1310nm/1490nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85℃
			RBT12SZX-IT4/T5iC1R	80km	1490nm/1590nm	DFB	PIN	-1dBm	-26dBm	25dB	-40~85℃
CFM (64 MEPs)	Duplex Transceivers	1.25 Gb/s (GbE)	RSP12SLX-IT3iC3	10km	1310nm	FP	PIN	-9dBm	-20dBm	11dB	-40~85℃
			RSP12SLE-IT3iC3	20km	1310nm	FP	PIN	-7dBm	-22dBm	15dB	-40~85℃
			RSP12SEX-IT3iC3	40km	1310nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85℃
			RSP12SZX-IT5iC3	80km	1310nm	DFB	PIN	0dBm	-24dBm	24dB	-40~85℃
	Bi-Directional Transceivers	1.25 Gb/s (GbE)	RBT12SLX-IT3/T4iC3	10km	1310nm/1490nm	FP/DFB	PIN	-9dBm	-20dBm	11dB	-40~85℃
			RBT12SLE-IT3/T4iC3	20km	1310nm/1490nm	FP/DFB	PIN	-7dBm	-22dBm	15dB	-40~85℃
			RBT12SEX-IT3/T4iC3	40km	1310nm/1490nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85℃
			RBT12SZX-IT4/T5iC3	80km	1490nm/1590nm	DFB	PIN	-1dBm	-26dBm	25dB	-40~85℃

TSoP (Transparent SONET/SDH over Packet)

	Data Rate	Part Number	Reach	Wavelength	LD	PD	Pout (min)	Sensitivity (max)	Link Budget	Operating Case Temperature
Duplex Transceivers	622 Mb/s (STM-4/OC-12)	RSP06SI1-IT3iT2	15km	1310nm	FP	PIN	-15dBm	-28dBm	13dB	-40~85°C
		RSP06SL1-IT3iT2	40km	1310nm	DFB	PIN	-3dBm	-28dBm	25dB	-40~85°C
		RSP06SL2-IT5iT2	80km	1550nm	DFB	PIN	-3dBm	-28dBm	25dB	-40~85°C
	155 Mb/s (STM-1/OC-3)	RSP02SI1-IT3iT2	15km	1310nm	FP	PIN	-15dBm	-28dBm	13dB	-40~85°C
		RSP02SL1-IT3iT2	40km	1310nm	FP	PIN	-5dBm	-34dBm	29dB	-40~85°C
		RSP02SL2-IT5iT2	80km	1550nm	DFB	PIN	-5dBm	-34dBm	29dB	-40~85°C

TWAMP (Two Way Active Measurement Protocols)

	Data Rate	Part Number	Reach	Wavelength	LD	PD	Pout (min)	Sensitivity (max)	Link Budget	Operating Case Temperature
Duplex Transceivers	1.25 Gb/s (GbE)	RSP12SLX-IT3iW1R	10km	1310nm	FP	PIN	-9dBm	-20dBm	11dB	-40~85°C
		RSP12SLE-IT3iW1R	20km	1310nm	FP	PIN	-7dBm	-22dBm	15dB	-40~85°C
		RSP12SEX-IT3iW1R	40km	1310nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85°C

Chronos Transparent SyncE

	Data Rate	Part Number	Reach	Wavelength	LD	PD	Option	Operating Case Temperature
RJ45 Electrical Transceiver	1.25 Gb/s (GbE)	RC012SV1-IITS1M	100m	-	-	-	SyncE Master	-40~85°C
		RC012SV1-IITS1S	100m	-	-	-	SyncE Slave	-40~85°C

* x denotes temperature option: S=standard temp(0 to 70°C or -5 to 75°C) E=extended temp(-5 to 85°C) I=industrial temp(-40 to 85°C)

SFP+

Data Rate		Part Number	Reach	Wavelength	LD	PD	Standard	Operating Case Temperature
CWDM	10 Gb/s	RCPX0SLR-Syy	10km	1271nm~1451nm	DFB	PIN	10GBASE-LR(LW) (10GbE)	0~70℃
		RCPX0SLE-Syy	20km	1271nm~1451nm	DFB	APD	-	0~70℃
		RCPX0SER-xyy	40km	1471nm~1611nm	EML	PIN	S64.2b/IR-2 10GBASE-ER(EW) (10GbE)	-40~85℃
		RCPX0SZR-xyy	70km	1471nm~1611nm	EML	APD	L64.2a/LR-2 10GBASE-ZR(ZW) (10GbE)	-40~85℃
DWDM	10 Gb/s	RDPX0SER-xyy	40km	C Band	EML	PIN	DN100S-2D/DW100S-2D 10GBASE-ER(EW) (10GbE)	-40~85℃
		RDPX0SZR-xyy	80km	C Band	EML	APD	DN100L-2D/DW100L-2D 10GBASE-ZR(ZW) (10GbE)	-40~85℃
Gray Optics	10 Gb/s	RSPX0SSR-xT1	220m	850nm	VCSEL	PIN	10GBASE-SR(SW) (10GbE) 1200-MX-SN-I (10GFC)	-40~85℃
		RSPX0SS1-xT3	2km	1310nm	DFB	PIN	I64.1/SR-1(SONET/SDH)	-40~85℃
		RSPX0SLR-xT3	10km	1310nm	DFB	PIN	10GBASE-LR(LW) (10GbE)	-40~85℃
		RSPX0SER-xT5	40km	1550nm	EML	PIN	S64.2b/IR-2 10GBASE-ER(EW) (10GbE)	-40~85℃
		RSPX0SZR-xT5	80km	1550nm	EML	APD	L64.2a/LR-2 10GBASE-ZR(ZW) (10GbE)	-40~85℃
	10Gb/s with CDR	RSPX0SER-xT5C	40km	1550nm	EML	PIN	S64.2b/IR-2 10GBASE-ER(EW) (10GbE)	-40~85℃
		RSPX0SZR-xT5C	80km	1550nm	EML	APD	L64.2a/LR-2 10GBASE-ZR(ZW) (10GbE)	-40~85℃

XFP

Data Rate		Part Number	Reach	Wavelength	LD	PD	Standard	Operating Case Temperature
CWDM	10 Gb/s	RCXX0SLR-Syy	10km	1271nm~1451nm	DFB	PIN	10GBASE-LR(LW) (10GbE)	0~70℃
		RCXX0SLE-Syy	20km	1271nm~1451nm	DFB	APD	-	0~70℃
		RCXX0SER-xyy	40km	1471nm~1611nm	EML	PIN	S64.2b/IR-2 10GBASE-ER(EW) (10GbE)	-40~85℃
		RCXX0SZR-xyy	70km	1471nm~1611nm	EML	APD	L64.2a/LR-2 10GBASE-ZR(ZW) (10GbE)	-40~85℃
DWDM	10 Gb/s	RDXX0SER-xyy	40km	C-Band	EML	PIN	DN100S-2D/DW100S-2D 10GBASE-ER(EW) (10GbE)	-40~85℃
		RDXX0SZR-xyy	80km	C-Band	EML	APD	DN100L-2D/DW100L-2D 10GBASE-ZR(ZW) (10GbE)	-40~85℃
Gray Optics	10 Gb/s	RTXX0SV3-xT1	220m	850nm	VCSEL	PIN	10GBASE-SR(SW) (10GbE) 1200-MX-SN-I (10GFC)	-40~85℃
		RTXX0SS1-xT3	2km	1310nm	DFB	PIN	I64.1/SR-1(SONET/SDH)	-40~85℃
		RTXX0SLR-xT3	10km	1310nm	DFB	PIN	10GBASE-LR(LW) (10GbE) 1200-SM-LL-L (10GFC)	-40~85℃
		RTXX0SER-xT5	40km	1550nm	EML	PIN	S64.2b/IR-2 10GBASE-ER(EW) (10GbE)	-40~85℃
		RTXX0SZR-xT5	80km	1550nm	EML	APD	L64.2a/LR-2 10GBASE-ZR(ZW) (10GbE)	-40~85℃

10 Gigabit PON

Data Rate		Part Number	Downstream	Upstream	LD	PD	Standard	Operating Case Temperature
10G-EPON	10G EPON OLT Type2	RSL8777X-GGA	10G	10G	EML	APD	IEEE 802.3av	0~70℃
	10G EPON ONU Type2	RSN8777P-GGI	10G	10G	DFB	APD	IEEE 802.3av	-40~85℃

* x denotes temperature option: S=standard temp(0 to 70°C or -5 to 75°C) E=extended temp(-5 to 85°C) I=industrial temp(-40 to 85°C)

* yy denotes wavelength grid

Bi-Directional Transceivers

	Form	Data Rate	Part Number	Reach	Wavelength	LD	PD	Pout (min)	Sensitivity (max)	Link Budget	Operating Case Temperature
Dual Wave-length (CWDM)	SFP+	6 Gb/s	RBT60SLR-xyy	10km	1271nm~1611nm	DFB	PIN	-2dBm	-15dBm	13dB	-40~85℃
			RBT60SLE-xyy	20km	1271nm~1571nm	DFB	APD	-2dBm	-21dBm	19dB	-40~85℃
		5 Gb/s	RBT50SLR-xyy	10km	1271nm~1611nm	DFB	PIN	-2dBm	-16dBm	14dB	-40~85℃
			RBT50SLE-xyy	20km	1271nm~1571nm	DFB	PIN	-2dBm	-17dBm	15dB	-40~85℃
Dual Wave-length (Gray Optics)	SFP+	10 Gb/s	RBTX0SLR-x27/33	10km	1270nm /1330nm	DFB	PIN	-5dBm	-14.4dBm	9.4dB	-40~85℃
			RBTX0SLR-xT3/T4	10km	1310nm /1490nm	DFB	PIN	-5dBm	-14.4dBm	9.4dB	-40~85℃
			RBTX0SLE-x27/33	20km	1270nm /1330nm	DFB	PIN	1dBm	-14dBm	15dB	-40~85℃
			RBTX0SER-x27/33	40km	1270nm/1330nm	DFB	APD	1dBm	-18dBm	19dB	-40~85℃
	XFP	10 Gb/s	RBXX0SLR-x27/33	10km	1270nm /1330nm	DFB	PIN	-5dBm	-14.4dBm	9.4dB	-40~85℃
			RBXX0SLE-x27/33	20km	1270nm /1330nm	DFB	PIN	1dBm	-14dBm	15dB	-40~85℃
			RBXX0SER-x27/33	40km	1270nm/1330nm	DFB	APD	1dBm	-18dBm	19dB	-40~85℃
	SFP+	6 Gb/s	RBT60SLR-x27/33	10km	1270nm /1330nm	DFB	PIN	-5dBm	-15dBm	10dB	-40~85℃
			RBT60SLR-xT3/T4/T5	10km	1310nm/1490nm/1550nm	DFB	PIN	-5dBm	-15dBm	10dB	-40~85℃
			RBT60SLE-x27/33	20km	1270nm /1330nm	DFB	PIN	-1dBm	-15dBm	14dB	-40~85℃
			RBT60SLE-xT3/T4/T5	20km	1310nm/1490nm/1550nm	DFB	PIN	-1dBm	-15dBm	14dB	-40~85℃
			RBT60SER-x27/33	40km	1270nm /1330nm	DFB	APD	0dBm	-19dBm	19dB	-40~85℃
		5 Gb/s	RBT50SLR-x27/33	10km	1270nm /1330nm	DFB	PIN	-5dBm	-16dBm	11dB	-40~85℃
			RBT50SLR-xT3/T4/T5	10km	1310nm/1490nm/1550nm	DFB	PIN	-5dBm	-16dBm	11dB	-40~85℃
			RBT50SLE-x27/33	20km	1270nm /1330nm	DFB	PIN	-2dBm	-17dBm	15dB	-40~85℃
			RBT50SLE-xT3/T4/T5	20km	1310nm/1490nm/1550nm	DFB	PIN	-2dBm	-17dBm	15dB	-40~85℃
			RBT50SER-x27/33	40km	1270nm /1330nm	DFB	APD	0dBm	-19dBm	19dB	-40~85℃
	SFP	3.1 Gb/s	RBT31SLX-xT3/T5	10km	1310nm/1550nm	FP/DFB	PIN	-5dBm	-16dBm	11dB	-40~85℃
			RBT31SLE-xT3/T5	20km	1310nm/1550nm	DFB	PIN	-5dBm	-17dBm	12dB	-40~85℃
		2.5 Gb/s (STM-16/OC-48)	RB#25SS1-xT3/T5	2km	1310nm/1550nm	FP/DFB	PIN	-8dBm	-19dBm	11dB	-40~85℃
			RB#25SI1-xT3/T4/T5	15km	1310nm/1490nm/1550nm	DFB	PIN	-5dBm	-19dBm	14dB	-40~85℃
			RB#25SI2-xT4/T5	40km	1490nm/1590nm	DFB	PIN	-5dBm	-19dBm	14dB	-40~85℃
			RB#25SL2-xT4/T5	80km	1490nm/1590nm	DFB	APD	-2dBm	-28dBm	26dB	-40~85℃
		1.25 Gb/s (GbE)	RB#12SLX-xT3/T4	10km	1310nm/1490nm	FP/DFB	PIN	-9dBm	-20dBm	11dB	-40~85℃
			RB#12SLE-xT3/T4	20km	1310nm/1490nm	FP/DFB	PIN	-7dBm	-22dBm	15dB	-40~85℃
			RB#12SEX-xT3/T4	40km	1310nm/1490nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85℃
			RB#12SZX-xT4/T5	80km	1490nm/1590nm	DFB	PIN	-1dBm	-25dBm	24dB	-40~85℃
			RB#12SVX-xT4/T5	120km	1490nm/1590nm	DFB	APD	0dBm	-32dBm	32dB	-40~85℃

* Other bit-rate Bi-Directional SFPs including low-end, 2.5G, and 3G CWDM are available.

		Data Rate	Part Number	Reach	Wavelength	LD	PD	Pout (min)	Sensitivity (max)	Link Budget	Operating Case Temperature
Single Wave-length (Recep-tacle)	CWDM	2.5 Gb/s (STM-16/OC-48)	RAL25SI1-x47~x61	15km	1471nm~1611nm	DFB	PIN	-7dBm	-18dBm	11dB	-40~85℃
	Gray Optics		RAL25SI1-xT3/T5	15km	1310nm,1550nm	DFB	PIN	-7dBm	-18dBm	11dB	-40~85℃
	CWDM	1.25 Gb/s (GbE)	RAL12SLE-x47~x61	20km	1471nm~1611nm	DFB	PIN	-8dBm	-21dBm	13dB	-40~85℃
			RAL12SEX-x47~x61	40km	1471nm~1611nm	DFB	PIN	-7dBm	-23dBm	16dB	-40~85℃
			RAL12SLE-xT3/T5	20km	1310nm,1550nm	DFB	PIN	-8dBm	-21dBm	13dB	-40~85℃
			RAL12SEX-xT4/T5	40km	1490nm,1590nm	DFB	PIN	-7dBm	-23dBm	16dB	-40~85℃
Cooled Single Channel (CSC™)*	CWDM	6 Gb/s	RBT60SLE-xyyH/L	20km	1271nm~1611nm	DFB	PIN	-2dBm	-14dBm	12dB	-40~85℃
		5 Gb/s	RBT50SLE-xyyH/L	20km	1271nm~1611nm	DFB	PIN	-2dBm	-16dBm	14dB	-40~85℃
		3 Gb/s	RBT31SLR-xyyH/L	10km	1271nm~1611nm	DFB	PIN	-5dBm	-18dBm	13dB	-40~85℃
			RBT31SLE-xyyH/L	20km	1271nm~1611nm	DFB	PIN	-4dBm	-19dBm	15dB	-40~85℃
		2.5 Gb/s	RBT25SLR-xyyH/L	10km	1271nm~1611nm	DFB	PIN	-5dBm	-18dBm	13dB	-40~85℃
			RBT25SLE-xyyH/L	20km	1271nm~1611nm	DFB	PIN	-4dBm	-19dBm	15dB	-40~85℃

* x denotes temperature option: S=standard temp(0 to 70℃ or -5 to 75℃) E=extended temp(-5 to 85℃) I=industrial temp(-40 to 85℃)

* yy denotes wavelength grid

* # denotes connector option : T => LC / S => SC

* CSC™ : Two different uplink and downlink wavelengths within a single CWDM channel.

Duplex Transceivers

Data Rate		Part Number	Reach	Wavelength	LD	PD	Pout (min)	Sensitivity (max)	Link Budget	Operating Case Temperature
CWDM	6 Gb/s	RCP60SLR-xyy	10km	1271nm~1611nm	DFB	PIN	-1dBm	-15dBm	14dB	-40~85°C
		RCP60SLE-xyy	20km	1271nm~1571nm	DFB	APD	-1dBm	-21dBm	20dB	-40~85°C
		RCP60SER-xyy	40km	1271nm~1451nm	DFB	APD	1dBm	-22dBm	23dB	-40~85°C
	5Gb/s	RCP50SLR-xyy	10km	1271nm~1611nm	DFB	PIN	-1dBm	-16dBm	15dB	-40~85°C
		RCP50SLE-xyy	20km	1271nm~1571nm	DFB	PIN	-1dBm	-17dBm	16dB	-40~85°C
		RCP50SER-xyy	40km	1271nm~1451nm	DFB	APD	1dBm	-22dBm	23dB	-40~85°C
	4Gb/s	RCP40SLX-xyy	10km	1271nm~1611nm	DFB	PIN	-5dBm	-17dBm	12dB	-40~85°C
		RCP40SLE-xyy	20km	1271nm~1611nm	DFB	PIN	0dBm	-18dBm	18dB	-40~85°C
		RCP40SEX-xyy	40km	1271nm~1611nm	DFB	APD	0dBm	-23dBm	23dB	-40~85°C
	2.5 Gb/s (STM-16/ OC-48)	RCP25SI2-xyy	40km	1271nm~1611nm	DFB	PIN	-1dBm	-20dBm	19dB	-40~85°C
		RCP25SL2-xyy	80km	1271nm~1611nm	DFB	APD	-1dBm	-29dBm	28dB	-40~85°C
		RCP12SEX-xyy	40km	1271nm~1611nm	DFB	PIN	-3dBm	-22dBm	19dB	-40~85°C
DWDM	6 Gb/s	RDP60SLE-xyy	20km	C-Band	DFB	APD	3dBm	-22dBm	25dB	-40~85°C
	5 Gb/s	RDP50SLE-xyy	20km	C-Band	DFB	APD	3dBm	-22dBm	25dB	-40~85°C
	4 Gb/s	RDP40SEX-xyy	40km	C-Band	DFB	PIN	0dBm	-18dBm	18dB	-40~85°C
		RDP40SZX-xyy	80km	C-Band	DFB	APD	3dBm	-23dBm	26dB	-40~85°C
	2.5 Gb/s (STM-16/ OC-48)	RDP25SL3-xyy	120km	C-Band	DFB	APD	4dBm	-28dBm	32dB	-40~85°C
		RDP25SL4-xyy	180km	C-Band	DFB	APD	4dBm	-28dBm	32dB	-40~85°C
Gray Optics	6 Gb/s	RSP60SS1-xT3	2km	1310nm	FP	PIN	-8.4dBm	-13.8dBm	5.4dB	-40~85°C
		RSP60SLR-xT3	10km	1310nm	DFB	PIN	-5dBm	-15dBm	10dB	-40~85°C
		RSP60SLE-xT3	20km	1310nm	DFB	PIN	-1dBm	-15dBm	14dB	-40~85°C
	5 Gb/s	RSP50SLR-xT3	10km	1310nm	DFB	PIN	-5dBm	-16dBm	11dB	-40~85°C
		RSP50SLE-xT3	20km	1310nm	DFB	PIN	-2dBm	-17dBm	15dB	-40~85°C
	4 Gb/s	RSP40SS1-xT1	2km	1310nm	FP	PIN	-8.4dBm	-18dBm	9.6dB	-40~85°C
		RSP40SLX-xT3	10km	1310nm	DFB	PIN	-8dBm	-18dBm	10dB	-40~85°C
		RSP40SLE-xT3	20km	1310nm	DFB	PIN	-1dBm	-18dBm	17dB	-40~85°C
		RSP40SEX-xT3	40km	1310nm	DFB	PIN	0dBm	-18dBm	18dB	-40~85°C
		RSP40SEX-xT5	40km	1550nm	DFB	PIN	0dBm	-18dBm	18dB	-40~85°C
	2.5 Gb/s (STM-16/ OC-48)	RSP25SV5-xT1	500m	850nm	VCSEL	PIN	-9.5Bm	-17dBm	7.5dB	-40~85°C
		RSP25SS1-xT3	2km	1310nm	FP	PIN	-8dBm	-19dBm	11dB	-40~85°C
		RSP25SI1-xT3	15km	1310nm	DFB	PIN	-5dBm	-19dBm	14dB	-40~85°C
		RSP25SI2-xT5	40km	1550nm	DFB	PIN	-5dBm	-19dBm	14dB	-40~85°C
		RSP25SL1-xT3	40km	1310nm	DFB	APD	-2dBm	-28dBm	26dB	-40~85°C
		RSP25SL2-xT5	80km	1550nm	DFB	APD	-2dBm	-28dBm	26dB	-40~85°C
	1.25 Gb/s (GbE)	RSP12SV5-xT1	500m	850nm	VCSEL	PIN	-9.5dBm	-17dBm	7.5dB	-40~85°C
		RSP12SLX-xT3	10km	1310nm	FP	PIN	-9dBm	-20dBm	11dB	-40~85°C
		RSP12SLE-xT3	20km	1310nm	FP	PIN	-7dBm	-22dBm	15dB	-40~85°C
		RSP12SEX-xT3	40km	1310nm	DFB	PIN	-3dBm	-25dBm	22dB	-40~85°C
		RSP12SZX-xT5	80km	1550nm	DFB	PIN	0dBm	-24dBm	24dB	-40~85°C
		RSP12SVX-xT5	120km	1550nm	DFB	APD	0dBm	-32dBm	32dB	-40~85°C

High Definition Video Transceivers

Data Rate		Part Number	Reach	Wavelength	LD	PD	Pout (min)	Sensitivity (max)	Link Budget	Operating Case Temperature
Single Tx	3 Gb/s (1.5 Gb/s available)	HT130PP@-ST3/T5	SH/MH/LH	1310nm/1550nm	FP/DFB	-	-6/-4/0dBm	-	12/14/18dB	0~70°C
Dual Tx		HT230PP@-ST3/T5	SH/MH/LH	1310nm/1550nm	FP/DFB	-	-6/-4/0dBm	-	12/14/18dB	0~70°C
Single Rx		HR130PS1-SST	SH/MH/LH	1270nm~1610nm	-	PIN	-	-18dBm	-	0~70°C
Dual Rx		HR230PS1-SST	SH/MH/LH	1270nm~1610nm	-	PIN	-	-18dBm	-	0~70°C
Transceiver		HTR30P@H-ST3/T5	SH/MH/LH	1310nm/1550nm	FP/DFB	PIN	-6/-4/0dBm	-18dBm	12/14/18dB	0~70°C

- * CWDM options are available.
- * @ denotes reach: S=> short haul / M=> medium haul / L=> long haul
- * Short haul Video Transceiver with 1310nm laser has part number ending with SF3.

Optical Supervisory Channel Transceivers

Data Rate		Part Number	Reach	Wavelength	LD	PD	Pout (min)	Sensitivity (max)	Link Budget	Operating Case Temperature
2 Mb/s		RCP-0SX2-S51	-	1510nm	DFB	APD	1dBm	-54dBm	55dB	0~70°C
10 Mb/s		RCP-1SX2-S51	-	1510nm	DFB	APD	0dBm	-45dBm	45dB	0~70°C
155 Mb/s		RCP02SX1-x51	-	1510nm	DFB	PIN	0dBm	-37dBm	37dB	-40~85°C
		RCP02SX2-x51	-	1510nm	DFB	APD	0dBm	-42dBm	42dB	-40~85°C

- * x denotes temperature option: S=standard temp(0 to 70°C or -5 to 75°C) E=extended temp(-5 to 85°C) I=industrial temp(-40 to 85°C)
- * yy denotes wavelength grid

CPRI Selection Guide_Duplex Transceivers

CPRI Option	Bit-Rate	Description	Form Factor	Duplex									
				Reach	Wavelength	LD	PD						
Option 2	1228.8Mbit/s	2 x 614.4Mbit/s	SFP	Gray Optics	500m	850nm	VCSEL	PIN					
					10km	1310nm	FP	PIN					
					20km	1310nm	FP	PIN					
					40km	1310nm	DFB	PIN					
					80km	1550nm	DFB	PIN					
				Coarse WDM (CWDM)	120km	1550nm	DFB	APD					
					40km	1271nm~1611nm	DFB	PIN					
					80km	1271nm~1611nm	DFB	PIN					
					120km	1271nm~1611nm	DFB	APD					
					Dense WDM (DWDM)	80km	C/L-Band	DFB	PIN				
180km	C/L-Band	DFB	APD										
Option 3 Option 4	2457.6 Mbit/s 3072.0 Mbit/s	4 x 614.4Mbit/s 5 x 614.4Mbit/s	SFP	Gray Optics	500m	850nm	VCSEL	PIN					
					2km	1310nm	FP	PIN					
					15km	1310nm	DFB	PIN					
					40km	1550nm	DFB	PIN					
					80km	1550nm	DFB	APD					
				Coarse WDM (CWDM)	40km	1271nm~1611nm	DFB	PIN					
					80km	1271nm~1611nm	DFB	APD					
					120km	C/L-Band	DFB	APD					
					180km	C/L-Band	DFB	APD					
					Dense WDM (DWDM)	2km	1310nm	FP	PIN				
10km	1310nm	DFB	PIN										
Option 5	4915.2 Mbit/s	8 x 614.4Mbit/s	SFP+	Gray Optics	20km	1310nm	DFB	PIN					
					40km	1550nm	DFB	PIN					
					60km	1550nm	DFB	APD					
					10km	1271nm~1611nm	DFB	PIN					
					20km	1271nm~1611nm	DFB	PIN					
				Coarse WDM (CWDM)	20km	C/L-Band	DFB	PIN					
					20km	C/L-Band	DFB	APD					
					Option 6	6144.0 Mbit/s	10 x 614.4Mbit/s	SFP+	Gray Optics	2km	1310nm	FP	PIN
										10km	1310nm	DFB	PIN
										20km	1310nm	DFB	PIN
10km	1271nm~1611nm	DFB	PIN										
20km	1271nm~1571nm	DFB	PIN										
Dense WDM (DWDM)	20km	C/L-Band	DFB	PIN									
	20km	C/L-Band	DFB	APD									
	Option 7	9830.4 Mbit/s	16 x 614.4Mbit/s	Gray Optics					SFP+	300m	850nm	VCSEL	PIN
										2km	1310nm	DFB	PIN
										10km	1310nm	DFB	PIN
40km					1550nm	EML	PIN						
80km					1550nm	EML	APD						
XFP					300m	850nm	VCSEL	PIN					
					2km	1310nm	DFB	PIN					
					10km	1310nm	DFB	PIN					
					40km	1550nm	EML	PIN					
					80km	1550nm	EML	APD					
Coarse WDM (CWDM)				SFP+	10km	1271nm~1451nm	DFB	PIN					
					40km	1471nm~1611nm	EML	PIN					
					70km	1471nm~1611nm	EML	APD					
					10km	1271nm~1451nm	DFB	PIN					
				XFP	40km	1471nm~1611nm	EML	PIN					
					70km	1471nm~1611nm	EML	APD					
					Dense WDM (DWDM)	SFP+	40km	C Band	EML	PIN			
							80km	C Band	EML	APD			
XFP	40km	C Band	EML	PIN									
	80km	C Band	EML	APD									

*Also applicable for OBSI/ORI

CPRI Selection Guide_Bi-Directional Transceivers



CPRI Option	Bit-Rate	Description		Form Factor	Bi-Directional											
					Dual Wavelength				SWSF (Single-Wavelength Single-Fiber)				CSC™ (Cooled Single Channel)			
					Reach	Wavelength	LD	PD	Reach	Wavelength	LD	PD	Reach	Wavelength	LD	PD
Option 2	1228.8Mbit/s	2 x 614.4Mbit/s	Gray Optics	SFP	10km	1310nm/1490nm/1550nm	FP/DFB	PIN								
					20km	1310nm/1490nm/1550nm	FP/DFB	PIN								
					40km	1310nm/1490nm/1550nm	DFB	PIN								
					80km	1490nm/1590nm	DFB	PIN								
					120km	1490nm/1590nm	DFB	APD								
									20km	1271nm~1611nm	DFB	PIN	20km	1271nm~1591nm 1611nm(2014,4Q)	DFB Cooled	PIN
Option 3 Option 4	2457.6 Mbit/s 3072.0 Mbit/s	4 x 614.4Mbit/s 5 x 614.4Mbit/s	Gray Optics	SFP	2km	1310nm/1550nm	FP/DFB	PIN								
					10km	1310nm/1490nm/1550nm	DFB	PIN								
					20km	1310nm/1490nm/1550nm	DFB	PIN								
					40km	1490nm/1590nm	DFB	PIN								
					80km	1490nm/1590nm	DFB	APD								
									10km	1271nm~1611nm	DFB	PIN	20km	1271nm~1591nm 1611nm(2014,4Q)	DFB Cooled	PIN/ APD
Option 5	4915.2 Mbit/s	8 x 614.4Mbit/s	Gray Optics	SFP+	2km	1310/1490/1550nm	FP/DFB	PIN								
					10km	1310/1490/1550nm	DFB	PIN								
					20km	1310/1490/1550nm	DFB	PIN								
					10km	1270nm /1330nm	DFB	PIN								
					20km	1270nm /1330nm	DFB	PIN								
					40km	1270nm /1330nm	DFB	PIN								
					40km	1270nm /1330nm	DFB	APD					20km	1271nm~1591nm 1611nm(2014,4Q)	DFB Cooled	PIN/ APD
									10km	1271nm~1611nm	DFB	PIN				
Option 6	6144.0 Mbit/s	10 x 614.4Mbit/s	Gray Optics	SFP+	2km	1310/1490/1550nm	FP/DFB	PIN								
					10km	1310/1490/1550nm	DFB	PIN								
					20km	1310/1490/1550nm	DFB	PIN								
					10km	1270nm /1330nm	DFB	PIN								
					20km	1270nm /1330nm	DFB	PIN								
					40km	1270nm /1330nm	DFB	PIN								
					40km	1270nm /1330nm	DFB	APD								
									10km	1271nm~1611nm	DFB	PIN		20km	1271nm~1591nm 1611nm(2014,4Q)	DFB Cooled
Option 7	9830.4 Mbit/s	16 x 614.4Mbit/s	Gray Optics	SFP+	10km	1270nm /1330nm	DFB	PIN								
					20km	1270nm /1330nm	DFB	PIN								
					40km	1270nm /1330nm	DFB	APD								
				XFP	10km	1270nm /1330nm	DFB	PIN								
					20km	1270nm /1330nm	DFB	PIN								
					40km	1270nm /1330nm	DFB	APD								

*Also applicable for OBSI/ORI



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