

Apticom Transceivers Product Guide



How can we light up your day?

Product Family	Ethernet	OTN	Multi-Rate	Form Factor	Max. Data Rate	Media Type	Wavelength	Transmitter	Receiver	Reach	Max. Case Temp. Range	Connector	Part Number	Note(s)
Standard Coherent	400G QSFP-DD ZR			QSFP-DD	425 Gb/s	Dual SMF	C-Band DWDM	Tunable Tx	Coherent Rx	up to 80km	0°C to 70°C	LC	AGE-7xxxx	15
	400G QSFP-DD OpenZR+			QSFP-DD	425 Gb/s	Dual SMF	C-Band DWDM	Tunable Tx	Coherent Rx	above 80km	0°C to 70°C	LC	AGE-7xxxx	23
	400G QSFP-DD ZR High Power			QSFP-DD	425 Gb/s	Dual SMF	C-Band DWDM	Tunable Tx	Coherent Rx	up to 80km	0°C to 70°C	LC	AGE-7xxxx	23
	400G QSFP-DD OpenZR+ High Power			QSFP-DD	425 Gb/s	Dual SMF	C-Band DWDM	Tunable Tx	Coherent Rx	above 80km	0°C to 70°C	LC	AGE-7xxxx	15
Proprietary Coherent	2x 100G CFP2 DCO			CFP2	2x 111.8 Gb/s	Dual SMF	C-Band DWDM	Tunable Tx	Coherent Rx	up to 2000km	0°C to 70°C	LC	ACD-7xxxx	14, 15
	100G CFP2 DCO			CFP2	111.8 Gb/s	Dual SMF	C-Band DWDM	Tunable Tx	Coherent Rx	up to 2000km	0°C to 70°C	LC	ACD-7xxxx	15
	2x 100G CFP DCO			CFP	2x 111.8 Gb/s	Dual SMF	C-Band DWDM	Tunable Tx	Coherent Rx	up to 2000km	0°C to 70°C	LC	ACD-7xxxx	15
400G	400GBase-SR8			QSFP-DD	425 Gb/s PAM4	Parallel MMF	850nm	8VCSEL	8xPIN	100m	0°C to 70°C	MPO-16	AGE-7xxxx	
	400GBase-SR4.2			QSFP-DD	425 Gb/s PAM4	Parallel MMF	850nm/910nm	8VCSEL	8xPIN	100m	0°C to 70°C	MPO-12	AGE-7xxxx	
	400GBase-DR4			QSFP-DD	425 Gb/s PAM4	Parallel MMF	1311nm	4xCWDM LD	4xPIN	500m	0°C to 70°C	MPO-12	AGE-7xxxx	
	400GBase-DR4+ (4xFR1)			QSFP-DD	425 Gb/s PAM4	Parallel SMF	1311nm	4xCWDM LD	4xPIN	2km	0°C to 70°C	MPO-12	AGE-7xxxx	
	400GBase-DR4+ 10km (4xLR1)			QSFP-DD	425 Gb/s PAM4	Parallel SMF	1311nm	4xCWDM LD	4xPIN	10km	0°C to 70°C	MPO-12	AGE-7xxxx	
	400GBase-FR4			QSFP-DD	425 Gb/s PAM4	Dual SMF	CWDM 1310nm Band	4xCWDM LD	4xPIN	2km	0°C to 70°C	LC	AGE-7xxxx	
	400GBase-LR4			QSFP-DD	425 Gb/s PAM4	Dual SMF	CWDM 1310nm Band	4xCWDM LD	4xPIN	10km	0°C to 70°C	LC	AGE-7xxxx	
	400GBase-LR8			QSFP-DD	425 Gb/s PAM4	Dual SMF	LAN-WDM 1310nm Band	8xLAN-WDM LD	8xPIN	10km	0°C to 70°C	LC	AGE-7xxxx	
200G	2x 100GBase-CWDM			QSFP-DD	212.5 Gb/s PAM4	Dual SMF	CWDM 1310nm Band	2x(4xCWDM LD)	2x(4xPIN)	2km	0°C to 70°C	CS	AGD-7xxxx	
	2x 100GBase-4WDM-10			QSFP-DD	212.5 Gb/s PAM4	Dual SMF	CWDM 1310nm Band	2x(4xCWDM LD)	2x(4xPIN)	10km	0°C to 70°C	CS	AGD-7xxxx	
	200GBase-LR4			QSFP-DD	212.5 Gb/s PAM4	Dual SMF	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN	10km	0°C to 70°C	LC	AGD-7xxxx	
	2x 100GBase-LR4			QSFP-DD	212.5 Gb/s PAM4	Dual SMF	LAN-WDM 1310nm Band	2x(4xLAN-WDM LD)	2x(4xPIN)	10km	0°C to 70°C	CS	AGD-7xxxx	
	200GBase-ER4			QSFP-DD	212.5 Gb/s PAM4	Dual SMF	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN	10km	0°C to 70°C	LC	AGD-7xxxx	
	200GBase-SR4			QSFP56	212.5 Gb/s PAM4	Parallel MMF	850nm	4VCSEL	4xPIN	100m	0°C to 70°C	MPO-12	AGD-7xxxx	
	200GBase-DR4			QSFP56	212.5 Gb/s PAM4	Parallel SMF	1311nm	4xCWDM LD	4xPIN	500m	0°C to 70°C	MPO-12	AGD-7xxxx	
	200GBase-FR4			QSFP56	212.5 Gb/s PAM4	Dual SMF	CWDM 1310nm Band	4xCWDM LD	4xPIN	2km	0°C to 70°C	LC	AGD-7xxxx	
	200GBase-FR4 10km			QSFP56	212.5 Gb/s PAM4	Dual SMF	CWDM 1310nm Band	4xCWDM LD	4xPIN	10km	0°C to 70°C	LC	AGD-7xxxx	
	200GBase-LR4			QSFP56	212.5 Gb/s PAM4	Dual SMF	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN	10km	0°C to 70°C	LC	AGD-7xxxx	
100G	100GBase-(e)SR4			QSFP28	111.8 Gb/s	Parallel MMF	850nm	4VCSEL	4xPIN	100/300m	0°C to 70°C	MPO-12	AGC-7xxxx	
	100GBase-PSM4			QSFP28	103.1 Gb/s	Dual SMF	1310nm	4xLD	4xPIN	500m	0°C to 70°C	MPO-12	AGC-7xxxx	
	100GBase-SR-Bidi			QSFP28	103.1 Gb/s	Dual MMF	850/910nm	2xCVSEL	2xPIN	70m	0°C to 70°C	LC	AGC-7xxxx	
	100GBase-CWDM4			QSFP28	103.1 Gb/s	Dual SMF	CWDM 1310nm Band	4xCWDM LD	4xPIN	2km	0°C to 70°C	LC	AGC-7xxxx	
	100GBase-4WDM-10			QSFP28	103.1 Gb/s	Dual SMF	CWDM 1310nm Band	4xCWDM LD	4xPIN	10km	-40 to 85°C	LC	AGC-7xxxx	
	100GBase-4WDM-20			QSFP28	103.1 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN	20km	-40 to 85°C	LC	AGC-7xxxx	17
	100GBase-(e)LR4			QSFP28	111.8 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN	10/20km	-40 to 85°C	LC	AGC-7xxxx	16, 17, 19
	100GBase-LR4 RX Only			QSFP28	103.1 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN	40km	0°C to 70°C	LC	AGC-7xxxx	
	100GBase-ER4 Lite			QSFP28	111.8 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4xAPD	4xPIN	40km	0°C to 70°C	LC	AGC-7xxxx	9, 17
	100GBase-ER4 Lite (5W)			QSFP28	111.8 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN + SOA	40km	0°C to 70°C	LC	AGC-7xxxx	9, 17, 22
	100GBase-ER4 Lite RX Only			QSFP28	103.1 Gb/s	Dual SMF	LAN-WDM 1310nm Band	n/a	4xPIN + SOA	n/a	0°C to 70°C	LC	AGC-7xxxx	
	100GBase-4WDM-40			QSFP28	103.1 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xAPD	40km	0°C to 70°C	LC	AGC-7xxxx	10, 17, 22
100G Legacy	100GBase-LR4			CFP	111.8 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4EMIL	4xPIN	10km	0°C to 70°C	LC	ACC-7xxxx	
	100GBase-ER4			CFP	111.8 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4EMIL	4xPIN+SOA	40km	0°C to 70°C	LC	ACC-7xxxx	
	100GBase-LR4			CFP2	111.8 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4EMIL	4xPIN	10km	0°C to 70°C	LC	ACC-7xxxx	
	100GBase-ER4			CFP2	111.8 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4EMIL	4xPIN+SOA	40km	0°C to 70°C	LC	ACC-7xxxx	
	100GBase-LR4			CFP4	111.8 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4EMIL	4xPIN	10km	0°C to 70°C	LC	ACC-7xxxx	
	100GBase-ER4			CFP4	111.8 Gb/s	Dual SMF	LAN-WDM 1310nm Band	4EMIL	4xPIN+SOA	40km	0°C to 70°C	LC	ACC-7xxxx	
100G Single Lambda	100GBase-DR1			QSFP28	103.1 Gb/s	Dual SMF	1311nm	CWDM LD	PIN	500m	0°C to 70°C	LC	AGC-7xxxx	
	100GBase-ER1			QSFP28	103.1 Gb/s	Dual SMF	1311nm	CWDM LD	PIN	2km	0°C to 70°C	LC	AGC-7xxxx	
	100GBase-DR1			QSFP28	103.1 Gb/s	Dual SMF	1311nm	CWDM LD	PIN	10km	0°C to 70°C	LC	AGC-7xxxx	
	100G nWDM-8			QSFP28	103.1 Gb/s	Dual SMF	1309.14nm	LAN-WDM	APD	40km	0°C to 70°C	LC	AGC-7xxxx	
	100G nWDM-16			QSFP28	103.1 Gb/s	Dual SMF	O-band channels.	LAN-WDM	APD	20km	0°C to 70°C	LC	AGC-7xxxx	
	100G LR1 Bidi			QSFP28	103.1 Gb/s	Single SMF	1270/1330nm	EMIL	PIN	10km	0°C to 70°C	LC	AGC-7xxxx	
	100G LR1 Bidi			QSFP28	103.1 Gb/s	Single SMF	1270/1330nm	EMIL	PIN	20km	0°C to 70°C	LC	AGC-7xxxx	
50G	50G Bidi 10km			QSFP28	53.125 Gb/s PAM4	Single SMF	1270/1310nm	DML	PIN	10km	0°C to 70°C	LC	AQL-7xxxx	
	50G Bidi 40km			QSFP28	53.125 Gb/s PAM4	Single SMF	1294/1308nm	EMIL	APD	40km	0°C to 70°C	LC	AQL-7xxxx	
	50GBase-LR			QSFP28	53.125 Gb/s PAM4	Dual SMF	1311nm	CWDM LD	PIN	10km	0°C to 70°C	LC	AQL-7xxxx	
	50GBase-ER			QSFP28	53.125 Gb/s PAM4	Dual SMF	1311nm	CWDM LD	APD	40km	0°C to 70°C	LC	AQL-7xxxx	
	50GBase-ZR2			QSFP28	53.125 Gb/s	Dual SMF	LAN-WDM 1310nm Band	2xLAN-WDM LD	2xAPD	80km	0°C to 70°C	LC	AQL-7xxxx	
40G	40GBase-SR4			QSFP+	43.0 Gb/s	Parallel MMF	850nm	4VCSEL	4xPIN	100m	0°C to 70°C	MPO-12	AGQ-7xxxx	
	40GBase-eSR4			QSFP+	41.2 Gb/s	Parallel MMF	850nm	4VCSEL	4xPIN	300m	0°C to 70°C	MPO-12	AGQ-7xxxx	
	40GBase-PSM4 IR4			QSFP+	41.2 Gb/s	Parallel SMF	1310nm	4xP	4xPIN	1.4km	0°C to 70°C	MPO-12/APC	AGQ-7xxxx	
	40GBase-PSM4 LR4			QSFP+	43.0 Gb/s	Parallel SMF	1310nm	4xP	4xPIN	10km	0°C to 70°C	MPO-12/APC	AGQ-7xxxx	
	40GBase-SR-Bidi			QSFP+	41.2 Gb/s	Parallel MMF	850/910nm	2xCVSEL	2xPIN	100m	0°C to 70°C	LC	AGQ-7xxxx	
	40GBase-IR4			QSFP+	41.2 Gb/s	Dual SMF	CWDM 1310nm Band	4xCWDM DFB	4xPIN	2km	0°C to 70°C	LC	AGQ-7xxxx	
	40GBase-LX4			QSFP+	41.2 Gb/s	Dual SMF/MMF	CWDM 1310nm Band	4xCWDM DFB	4xPIN	2km/150m	0°C to 70°C	LC	AGQ-7xxxx	
	40GBase-LR4			QSFP+	41.2 Gb/s	Dual SMF	CWDM 1310nm Band	4xCWDM DFB	4xPIN	10km	0°C to 70°C	LC	AGQ-7xxxx	
25G	25GBase-(e)SR			SFP28	25.78 Gb/s	Dual MMF	850nm	VCSEL	PIN	100/300m	-40°C to 85°C	LC	ASV-7xxxx	24
	25GBase-30m			SFP28	25.78 Gb/s	Dual SMF	1310nm	DML	PIN	300m	-40°C to 85°C	LC	ASV-7xxxx	24
	25GBase-Bidi			SFP28	25.78 Gb/s	Single SMF	1270/1330nm	DFB	PIN	10/20km	-40°C to 85°C	LC	ASV-7xxxx	24
	25GBase-Bidi			SFP28	25.78 Gb/s	Single SMF	1270/1310nm	DFB	PIN	40km	-40°C to 85°C	LC	ASV-7xxxx	24
	25GBase-LWDM			SFP28	25.78 Gb/s	Dual SMF	L-WDM IEEE	EMIL	APD	20km/40km	-40°C to 85°C	LC	ASV-7xxxx	24
	25GBase-CWDM			SFP28	25.78 Gb/s	Dual SMF	CWDM ITU ch.	DFB	PIN	10km/20km	-40°C to 85°C	LC	ASV-7xxxx	20, 21, 24
	25GBase-DWDM			SFP28	25.78 Gb/s	Dual SMF	DWDM ITU ch.	DFB	PIN	10km	0°C to 70°C	LC	ASV-7xxxx	24
	25GBase-ER			SFP28	25.78 Gb/s	Dual SMF	1310nm	DFB	APD	40km	-40°C to 85°C	LC	ASV-7xxxx	24
	25GBase-Tunable			SFP28	25.78 Gb/s	Dual SMF	Full C-Band 100GHz DWDM tunable	ILMZ-SOA	PIN	15km	-40°C to 85°C	LC	ASV-7xxxx	18, 24
	10G	10GBase-SR			XFP	11.35 Gb/s	Dual MMF	850nm	VCSEL	PIN	300m	-40°C to 85°C	LC	ASX-7xxxx
10GBase-LR				XFP	11.35 Gb/s	Dual SMF	1310nm	DFB	PIN	10/20km	-40°C to 85°C	LC	ASX-7xxxx	
10GBase-ER				XFP	11.35 Gb/s	Dual SMF	1550nm	EMIL	PIN	40km	-40°C to 85°C	LC	ASX-7xxxx	
10GBase-ZR				XFP	11.35 Gb/s	Dual SMF	1550nm	EMIL	APD	80km	-40°C to 85°C	LC	ASX-7xxxx	
10GBase-CWDM				XFP	11.35 Gb/s	Dual SMF	CWDM ITU ch.	4xDFB	PIN/APD	10/40/70km	-40°C to 85°C	LC	ASX-7xxxx	1, 4, 5
10GBase-DWDM				XFP	11.35 Gb/s	Dual SMF	DWDM ITU ch.	4xDFB	PIN/APD	40/80km	-40°C to 85°C	LC	ASX-7xxxx	3, 4, 6
10GBase-Tunable				XFP	11.35 Gb/s	Dual SMF	Full C-Band 50GHz DWDM tunable	ILMZ	APD	23dB-80km	0°C to 70°C	LC	ASX-7xxxx	3, 4, 6
10GBase-Bidi				XFP	11.35 Gb/s	Single SMF	1270/1330nm	DFB	PIN/APD	10/20/40/60km	-40°C to 85°C	LC	ASX-7xxxx	
10GBase-SR				SFP+	11.35 Gb/s	Dual MMF	850nm	VCSEL	PIN	300m	-40°C to 85°C	LC	ASX-7xxxx	24
10GBase-LRM				SFP+	11.35 Gb/s	Dual SMF	1310nm	FP	PIN	220m	-40°C to 85°C	LC	ASX-7xxxx	
10GBase-LR				SFP+	11.35 Gb/s	Dual SMF	1310nm	DFB	PIN	10/20km				