

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 2R			QSFP-DD	425 Gbps	Dual SFP	C-Band DWDM	Tunable Tx	Coherent Rx	up to 80km	0°C to 70°C	LC	AQE-7xxx	15
	400G QSFP-DD 4R			QSFP-DD	425 Gbps	Dual SFP	C-Band DWDM	Tunable Tx	Coherent Rx	above 80km	0°C to 70°C	LC	AQE-7xxx	23
	400G QSFP-DD 8R			QSFP-DD	425 Gbps	Dual SFP	C-Band DWDM	Tunable Tx	Coherent Rx	above 80km	0°C to 70°C	LC	AQE-7xxx	23
	400G QSFP-DD 16R			QSFP-DD	425 Gbps	Dual SFP	C-Band DWDM	Tunable Tx	Coherent Rx	up to 80km	0°C to 70°C	LC	AQE-7xxx	26
	100G QSFP-DD 2R			QSFP-DD	103.1 Gbps	Dual SFP	C-Band DWDM	Tunable Tx	Coherent Rx	>80km	40 to 85°C	LC	AQE-7xxx	15
Proprietary Coherent	2x 100G CFP2 DCO			CFP2	2x 111.8 Gbps	Dual SFP	C-Band DWDM	Tunable Tx	Coherent Rx	up to 2000km	0°C to 70°C	LC	ACD-7xxx	14, 15
	2x 100G CFP DCO			CFP	2x 111.8 Gbps	Dual SFP	C-Band DWDM	Tunable Tx	Coherent Rx	up to 2000km	0°C to 70°C	LC	ACD-7xxx	15
	100G CFP DCO			CFP	111.8 Gbps	Dual SFP	C-Band DWDM	Tunable Tx	Coherent Rx	up to 3000km	0°C to 70°C	LC	ACD-7xxx	15
400G	400GBase-SR8			QSFP-DD	425 Gbps PAM4	Parallel MMF	850nm	8xVCSEL	8xPIN	100m	0°C to 70°C	MPO-12	AQE-7xxx	
	400GBase-SR2.4			QSFP-DD	425 Gbps PAM4	Parallel MMF	850nm/910nm	8xVCSEL	8xPIN	100m	0°C to 70°C	MPO-12	AQE-7xxx	
	400GBase-DR4 (4FR1)			QSFP-DD	425 Gbps PAM4	Parallel MMF	131nm	4xVCWM LD	4xPIN	500m	0°C to 70°C	MPO-12	AQE-7xxx	
	400GBase-DR4+10m (4LR1)			QSFP-DD	425 Gbps PAM4	Parallel MMF	131nm	4xVCWM LD	4xPIN	2km	0°C to 70°C	MPO-12	AQE-7xxx	
	400GBase-FR4			QSFP-DD	425 Gbps PAM4	Dual SFP	CWDM 1310nm Band	4xVCWM LD	4xPIN	2km	0°C to 70°C	LC	AQE-7xxx	
200G	200GBase-LR4			QSFP-DD	212.5 Gbps PAM4	Dual SFP	CWDM 1310nm Band	4xVCWM LD	4xPIN	10m	0°C to 70°C	LC	AQE-7xxx	
	200GBase-ER4			QSFP-DD	212.5 Gbps PAM4	Dual SFP	CWDM 1310nm Band	4xVCWM LD	4xPIN	10m	0°C to 70°C	LC	AQE-7xxx	
	200GBase-DR4			QSFP-DD	212.5 Gbps PAM4	Dual SFP	CWDM 1310nm Band	4xVCWM LD	4xPIN	500m	0°C to 70°C	LC	AQE-7xxx	
	200GBase-FR4			QSFP-DD	212.5 Gbps PAM4	Dual SFP	CWDM 1310nm Band	4xVCWM LD	4xPIN	2km	0°C to 70°C	LC	AQE-7xxx	
	200GBase-LR4 10m			QSFP-DD	212.5 Gbps PAM4	Dual SFP	CWDM 1310nm Band	4xVCWM LD	4xPIN	10m	0°C to 70°C	LC	AQE-7xxx	
100G	100GBase-iSR4			QSFP28	111.8Gbps	Parallel MMF	850nm	4xVCSEL	4xPIN	100/500m	0°C to 70°C	MPO-12	AQE-7xxx	
	100GBase-SR2M4			QSFP28	103.1 Gbps	Dual SFP	850, 880, 910, 940nm	4xVCSEL	4xPIN	100m	0°C to 70°C	LC	AQE-7xxx	
	100GBase-SR2M4			QSFP28	103.1 Gbps	Dual SFP	850/900nm	4xVCSEL	4xPIN	100m	0°C to 70°C	LC	AQE-7xxx	
	100GBase-SR2M4			QSFP28	103.1 Gbps	Dual SFP	850/900nm	2xVCSEL	2xPIN	70m	0°C to 70°C	LC	AQE-7xxx	
	100GBase-CWDM4			QSFP28	111.8Gbps	Dual SFP	CWDM 1310nm Band	4xVCWM LD	4xPIN	2km	0°C to 70°C	LC	AQE-7xxx	
	100GBase-4WDM-10			QSFP28	103.1 Gbps	Dual SFP	CWDM 1310nm Band	4xVCWM LD	4xPIN	10m	-40 to 85°C	LC	AQE-7xxx	
	100GBase-iSR4			QSFP28	103.1 Gbps	Dual SFP	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN	2km	40 to 85°C	LC	AQE-7xxx	17
	100GBase-ER4			QSFP28	103.1 Gbps	Dual SFP	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN	100/20m	40 to 85°C	LC	AQE-7xxx	16, 17, 19
	100GBase-ER4 LRM			QSFP28	103.1 Gbps	Dual SFP	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xAPD	40m	0°C to 70°C	LC	AQE-7xxx	9, 17
	100GBase-ER4 LRM 10m			QSFP28	103.1 Gbps	Dual SFP	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xAPD	10m	0°C to 70°C	LC	AQE-7xxx	9, 17
	100GBase-ER4 LRM 10m 10m			QSFP28	103.1 Gbps	Dual SFP	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN + SOA	10m	0°C to 70°C	LC	AQE-7xxx	10, 17, 22
	100GBase-ER4 LRM 10m 10m			QSFP28	103.1 Gbps	Dual SFP	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN + SOA	80m	0°C to 70°C	LC	AQE-7xxx	10, 17, 22
	100GBase-ER4 LRM 10m 10m			QSFP28	103.1 Gbps	Dual SFP	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN + SOA	80m	0°C to 70°C	LC	AQE-7xxx	17, 22
	100GBase-ER4 LRM 10m 10m			QSFP28	103.1 Gbps	Dual SFP	LAN-WDM 1310nm Band	4xLAN-WDM LD	4xPIN + SOA	100m	0°C to 70°C	LC	AQE-7xxx	17, 22
	100GBase-ER4 LRM 10m 10m			CFP	111.8Gbps	Dual SFP	LAN-WDM 1310nm Band	4xEM	4xPIN	10m	0°C to 70°C	LC	AQE-7xxx	
100GBase-ER4 LRM 10m 10m			CFP	111.8Gbps	Dual SFP	LAN-WDM 1310nm Band	4xEM	4xPIN+SOA	40m	0°C to 70°C	LC	AQE-7xxx		
100GBase-ER4 LRM 10m 10m			CFP	111.8Gbps	Dual SFP	LAN-WDM 1310nm Band	4xEM	4xPIN+SOA	40m	0°C to 70°C	LC	AQE-7xxx		
100GBase-ER4 LRM 10m 10m			CFP	111.8Gbps	Dual SFP	LAN-WDM 1310nm Band	4xEM	4xPIN+SOA	10m	0°C to 70°C	LC	AQE-7xxx		
100GBase-ER4 LRM 10m 10m			CFP	111.8Gbps	Dual SFP	LAN-WDM 1310nm Band	4xEM	4xPIN+SOA	10m	0°C to 70°C	LC	AQE-7xxx		
100G Single Lambda	100GBase-DR1			QSFP28	103.1 Gbps	Dual SFP	131nm	CWDM LD	PIN	500m	0°C to 70°C	LC	AQE-7xxx	
100GBase-FR1				QSFP28	103.1 Gbps	Dual SFP	131nm	CWDM LD	PIN	2km	0°C to 70°C	LC	AQE-7xxx	
100GBase-ER1				QSFP28	103.1 Gbps	Dual SFP	1300, 14nm	LAN-WDM	APD	40m	0°C to 70°C	LC	AQE-7xxx	
100G iWDM-16				QSFP28	103.1 Gbps	Dual SFP	O-band channels	LAN-WDM	APD	20m	0°C to 70°C	LC	AQE-7xxx	
100G iWDM-16				QSFP28	103.1 Gbps	Dual SFP	O-band channels	LAN-WDM	APD	20m	0°C to 70°C	LC	AQE-7xxx	
100G Bidi	100G LRM / 4WDM-10 Bidi			QSFP28	103.1 Gbps	Single SFP	LAN-WDM 1310nm Band	EM	4xPIN	10m	0°C to 70°C	LC	AQE-7xxx	25
100G 4WDM-10 Bidi				QSFP28	103.1 Gbps	Single SFP	LAN-WDM 1310nm Band	EM	4xPIN	20m	0°C to 70°C	LC	AQE-7xxx	25
100G 2R4 Bidi				QSFP28	103.1 Gbps	Single SFP	LAN-WDM 1310nm Band	EM	4xPIN+SOA	40m	0°C to 70°C	LC	AQE-7xxx	25
100G 2R4 Bidi				QSFP28	103.1 Gbps	Single SFP	LAN-WDM 1310nm Band	EM	4xPIN+SOA	80m	0°C to 70°C	LC	AQE-7xxx	25
100G Single Lambda Bidi	100G LRM Bidi			QSFP28	103.1 Gbps	Single SFP	1270/1330nm	EM	PIN	10m	0°C to 70°C	LC	AQE-7xxx	
100G LRM Bidi				QSFP28	103.1 Gbps	Single SFP	1270/1330nm	EM	PIN	10m	0°C to 70°C	LC	AQE-7xxx	
100G ER1-30 Bidi				QSFP28	103.1 Gbps	Single SFP	1304.58/1305.14nm	EM	APD	30m	0°C to 70°C	LC	AQE-7xxx	
100G ER1 Bidi				QSFP28	103.1 Gbps	Single SFP	1304.58/1305.14nm	EM	APD	40m	0°C to 70°C	LC	AQE-7xxx	
50G	50G Base 10m			QSFP28	53.125 Gbps PAM4	Single SFP	1270/1310nm	EM	PIN	10m	0°C to 70°C	LC	ADL-7xxx	
50G Base 10m				QSFP28	53.125 Gbps PAM4	Single SFP	1294/1300nm	EM	APD	40m	0°C to 70°C	LC	ADL-7xxx	
50GBase-LR4				QSFP28	53.125 Gbps PAM4	Dual SFP	131nm	CWDM LD	PIN	10m	0°C to 70°C	LC	ADL-7xxx	
50GBase-ER4				QSFP28	53.125 Gbps PAM4	Dual SFP	131nm	CWDM LD	PIN	40m	0°C to 70°C	LC	ADL-7xxx	
50GBase-2R2				QSFP28	53.125 Gbps	Dual SFP	LAN-WDM 1310nm Band	2xLAN-WDM LD	2x APD	80m	0°C to 70°C	LC	ADL-7xxx	
40G	40GBase-iSR4			QSFP+	43.0 Gbps	Parallel MMF	850nm	4xVCSEL	4xPIN	100/500m	0°C to 70°C	MPO-12	AQE-7xxx	
	40GBase-SR2M4			QSFP+	41.2 Gbps	Parallel MMF	850, 880, 910, 940nm	4xVCSEL	4xPIN	300m	0°C to 70°C	MPO-12	AQE-7xxx	
	40GBase-SR2M4			QSFP+	41.2 Gbps	Parallel MMF	131nm	4xP	4xPIN	1.4m	0°C to 70°C	MPO-12/APC	AQE-7xxx	
	40GBase-SR2M4			QSFP+	41.2 Gbps	Parallel MMF	131nm	2xVCSEL	2xPIN	10m	0°C to 70°C	LC	AQE-7xxx	
	40GBase-LR4			QSFP+	41.2 Gbps	Dual SFP	CWDM 1310nm Band	4xVCWM DFB	4xPIN	2km	0°C to 70°C	LC	AQE-7xxx	
25G	25GBase-iSR			SFP28	25.78 Gbps	Dual MMF	850nm	VCSEL	PIN	100/500m	-40°C to 85°C	LC	ASK-7xxx	24
	25GBase-30m			SFP28	25.78 Gbps	Dual SFP	1310nm	DFB	PIN	30m	-40°C to 85°C	LC	ASK-7xxx	24
	25GBase-Bid			SFP28	25.78 Gbps	Single SFP	1310nm	DFB	PIN	100/20m	-40°C to 85°C	LC	ASK-7xxx	24
	25GBase-Bid			SFP28	25.78 Gbps	Single SFP	1270/1330nm	DFB	PIN	40m	-40°C to 85°C	LC	ASK-7xxx	24
	25GBase-LRM			SFP28	25.78 Gbps	Single SFP	1310nm	DFB	PIN	100m	-40°C to 85°C	LC	ASK-7xxx	24
	25GBase-CWDM			SFP28	25.78 Gbps	Dual SFP	1310nm	DFB	PIN	20m/120m	-40°C to 85°C	LC	ASK-7xxx	20, 21, 24
	25GBase-CWDM			SFP28	25.78 Gbps	Dual SFP	CWDM TLU ch.	DFB	PIN	10m	0°C to 70°C	LC	ASK-7xxx	24
	25GBase-ER			SFP28	25.78 Gbps	Dual SFP	1310nm	DFB	APD	40m	-40°C to 85°C	LC	ASK-7xxx	24
	25GBase-2R			SFP28	25.78 Gbps	Dual SFP	1300nm	DFB	PIN + SOA	80m	0°C to 70°C	LC	ASK-7xxx	24
	25GBase-Tunable			SFP28	25.78 Gbps	Dual SFP	Full C-Band 100GHz DWDM tunable	EMZ-MZMA	PIN	10m	-40°C to 85°C	LC	ASK-7xxx	18, 24
10G	10GBase-DR			XFP	11.35 Gbps	Dual MMF	850nm	VCSEL	PIN	300m	-40°C to 85°C	LC	ASK-7xxx	
	10GBase-LR			XFP	11.35 Gbps	Dual SFP	1310nm	DFB	PIN	100/20m	-40°C to 85°C	LC	ASK-7xxx	
	10GBase-ER			XFP	11.35 Gbps	Dual SFP	1550nm	EM	PIN	40m	-40°C to 85°C	LC	ASK-7xxx	
	10GBase-ZR			XFP	11.35 Gbps	Dual SFP	1550nm	EM	APD	80m	-40°C to 85°C	LC	ASK-7xxx	
	10GBase-CWDM			XFP	11.35 Gbps	Dual SFP	CWDM TLU ch.	CWDM DFB/EM	PIN/APD	10/40/70m	-40°C to 85°C	LC	ASK-7xxx	1, 4, 5
	10GBase-CWDM			XFP	11.35 Gbps	Dual SFP	CWDM TLU ch.	DFB/EM	PIN/APD	40/80m	-40°C to 85°C	LC	ASK-7xxx	3, 4, 6
	10GBase-Tunable			XFP	11.35 Gbps	Dual SFP	Full C-Band 50GHz DWDM tunable	EMZ	APD	2/48/80m	0°C to 70°C	LC	ASK-7xxx	3, 4, 6
	10GBase-Bid			XFP	11.35 Gbps	Dual SFP	1270/1330nm	DFB	PIN/APD	10/20/40/60m	-40°C to 85°C	LC	ASK-7xxx	
	10GBase-LR			SFP+	11.35 Gbps	Dual SFP	1310nm	DFB	PIN	300m	-40°C to 85°C	LC	ASK-7xxx	24
	10GBase-LRM			SFP+	11.35 Gbps	Dual SFP	1310nm	DFB	PIN	230m	-40°C to 85°C	LC	ASK-7xxx	
	10GBase-LR-40			SFP+	11.35 Gbps	Dual SFP	1310nm	DFB	PIN	40m	-40°C to 85°C	LC	ASK-7xxx	
	10GBase-ZR			SFP+	11.35 Gbps	Dual SFP	1550nm	EM	PIN	40m	-40°C to 85°C	LC	ASK-7xxx	
	10GBase-2R			SFP+	11.35 Gbps	Dual SFP	15							