

Apticom AOC/DAC Product Guide

How can we light up your day?



Product Family	Ethernet	OTN	Form Factor	Max. Data Rate	Reach	Max. Case Temp. Range	Part Number
400G AOC	400GBase		OSFP to OSFP	425 Gb/s	up to 70m	0°C to 70°C	AOE-7xxxx
	400GBase Breakout Cable		OSFP to 2x QSFP56 (200G)	425 Gb/s	up to 70m	0°C to 70°C	AOE-7xxxx
	400GBase Breakout Cable		OSFP to 4x QSFP28 (100G)	425 Gb/s	up to 70m	0°C to 70°C	AOE-7xxxx
	400GBase Breakout Cable		OSFP to 8x SFP56 (50G)	425 Gb/s	up to 70m	0°C to 70°C	AOE-7xxxx
	400GBase		QSFP-DD to QSFP-DD	425 Gb/s	up to 70m	0°C to 70°C	AQE-7xxxx
	400GBase Breakout Cable		QSFP-DD to 2x QSFP56 (200G)	425 Gb/s	up to 70m	0°C to 70°C	AQE-7xxxx
	400GBase Breakout Cable		QSFP-DD to 4x QSFP56 (100G)	425 Gb/s	up to 70m	0°C to 70°C	AQE-7xxxx
	400GBase Breakout Cable		QSFP-DD to 4x QSFP28 (100G)	425 Gb/s	up to 70m	0°C to 70°C	AQE-7xxxx
	400GBase Breakout Cable		QSFP-DD to 8x SFP56 (50G)	425 Gb/s	up to 70m	0°C to 70°C	AQE-7xxxx
400G DAC	400GBase (passive)		OSFP to OSFP	425 Gb/s	up to 3m	0°C to 70°C	AOE-7xxxx
	400GBase Breakout Cable		OSFP to 2x QSFP56 (200G)	425 Gb/s	up to 3m	0°C to 70°C	AOE-7xxxx
	400GBase Breakout Cable		OSFP to 4x QSFP28 (100G)	425 Gb/s	up to 3m	0°C to 70°C	AOE-7xxxx
	400GBase Breakout Cable		OSFP to 8x SFP56 (50G)	425 Gb/s	up to 3m	0°C to 70°C	AOE-7xxxx
	400GBase (passive)		QSFP-DD to QSFP-DD	425 Gb/s	up to 2.5m	0°C to 70°C	AQE-7xxxx
	400GBase Breakout Cable		QSFP-DD to 2x QSFP56 (200G)	425 Gb/s	up to 2.5m	0°C to 70°C	AQE-7xxxx
	400GBase Breakout Cable		QSFP-DD to 4x QSFP28 (100G)	425 Gb/s	up to 2.5m	0°C to 70°C	AQE-7xxxx
	400GBase Breakout Cable		QSFP-DD to 8x SFP56 (50G)	425 Gb/s	up to 2.5m	0°C to 70°C	AQE-7xxxx
	200G AOC	200GBase		QSFP-DD to QSFP-DD	212,5 Gb/s	up to 70m	0°C to 70°C
200GBase Breakout cable			QSFP-DD to 2x QSFP28 (100G)	212,5 Gb/s	up to 70m	0°C to 70°C	AQD-7xxxx
200GBase			QSFP56 to QSFP56	212,5 Gb/s	up to 70m	0°C to 70°C	AQD-7xxxx
200G DAC	200GBase (passive)		QSFP-DD to QSFP-DD	212,5 Gb/s	up to 2.5m	0°C to 70°C	AQD-7xxxx
	200GBase Breakout cable		QSFP-DD to 2x QSFP28 (100G)	212,5 Gb/s	up to 2.5m	0°C to 70°C	AQD-7xxxx
	200GBase Breakout cable		QSFP-DD to 8x SFP28 (25G)	212,5 Gb/s	up to 2.5m	0°C to 70°C	AQD-7xxxx
	200GBase (passive)		QSFP56 to QSFP56	212,5 Gb/s	up to 2.5m	0°C to 70°C	AQD-7xxxx
100G AOC	100GBase		QSFP28 to QSFP28	111,8 Gb/s	up to 100m	0°C to 70°C	AQC-7xxxx
	100GBase Breakout Cable		QSFP28 to 4x SFP28 (25G)	103,1 Gb/s	up to 100m	0°C to 70°C	AQC-7xxxx
100G DAC	100GBase (passive)		QSFP28 to QSFP28	103,1 Gb/s	up to 5m	0°C to 70°C	AQC-7xxxx
	100GBase Breakout Cable		QSFP28 to 2x QSFP28 (50G)	103,1 Gb/s	up to 5m	0°C to 70°C	AQC-7xxxx
	100GBase Breakout Cable		QSFP28 to 4x SFP28 (25G)	103,1 Gb/s	up to 5m	0°C to 70°C	AQC-7xxxx
	100GBase (active)		QSFP28 to QSFP28	103,1 Gb/s	up to 15m	0°C to 70°C	AQC-7xxxx
	100GBase (active) Breakout Cable		QSFP28 to 2x QSFP28 (50G)	103,1 Gb/s	up to 15m	0°C to 70°C	AQC-7xxxx
100GBase (active) Breakout Cable		QSFP28 to 4x SFP28 (25G)	103,1 Gb/s	up to 15m	0°C to 70°C	AQC-7xxxx	
50G AOC	50GBase		SFP56 to SFP56	53.1 Gb/s	up to 50m	0°C to 70°C	ASL-7xxx
50G DAC	50GBase Breakout Cable		QSFP28 to 2x SFP28 (25G)	53.1 Gb/s	up to 5m	0°C to 70°C	AQL-7xxxx
	50GBASE (passive)		SFP56 to SFP56	53.1 Gb/s	up to 5m	0°C to 70°C	ASL-7xxx
40G AOC	40GBase		QSFP+ to QSFP+	41.2 Gb/s	up to 100m	0°C to 70°C	AQQ-7xxxx
	40GBase Breakout Cable		QSFP+ to 4x SFP+ (10G)	41.2 Gb/s	up to 100m	0°C to 70°C	AQQ-7xxxx
40G DAC	40GBase-T (passive)		QSFP+ to QSFP+	41.2 Gb/s	up to 5m	0°C to 70°C	AQQ-7xxxx
	40GBase-T Breakout Cable		QSFP+ to 4x SFP+ (10G)	41.2 Gb/s	up to 5m	0°C to 70°C	AQQ-7xxxx
	40GBase-T (active)		QSFP+ to QSFP+	41.2 Gb/s	up to 10m	0°C to 70°C	AQQ-7xxxx
	40GBase-T (active) Breakout Cable		QSFP+ to 4x SFP+ (10G)	41.2 Gb/s	up to 10m	0°C to 70°C	AQQ-7xxxx
25G AOC	25GBase		SFP28 to SFP28	25.78 Gb/s	up to 100m	0°C to 70°C	ASY-7xxxx
25G DAC	25GBase-T (passive)		SFP28 to SFP28	25.78 Gb/s	up to 5m	0°C to 70°	ASY-7xxxx
	25GBase-T (active)		SFP28 to SFP28	25.78 Gb/s	up to 10m	0°C to 70°	ASY-7xxxx
10G AOC	10GBase		SFP+ to SFP+	10.3 Gb/s	up to 100m	0°C to 70°C	ASX-7xxxx
10G DAC	10GBase-T (passive)		SFP+ to SFP+	10.3 Gb/s	up to 7m	0°C to 70°C	ASX-7xxxx
	10GBase-T (active)		SFP+ to SFP+	10.3 Gb/s	up to 10m	0°C to 70°C	ASX-7xxxx
Coming products Stay Tuned for more info	800GBaseAOC		QSFP-DD to QSFP-DD				
	800G DAC		QSFP-DD to QSFP-DD				
	800GBaseAOC		OSFP to OSFP				
	800G DAC		OSFP to OSFP				
	800GBaseAOC Breakout Cable		QSFP-DD to 2x QSFP-DD				
	800G DAC Breakout Cable		QSFP-DD to 2x QSFP-DD				
	800GBaseAOC Breakout Cable		OSFP to 2x OSFP				
	800G DAC Breakout Cable		OSFP to 2x OSFP				

AOC cables are based on VCSEL Tx and PIN Rx technologies