

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 |
| 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 | AQD-7xxxx |
| | 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 |

AOC cables are based on VCSEL Tx and PIN Rx technologies