

# Airport-grade DAC high-speed cable 40G selection guide



## Overview

Here is a purchasing guide for 40G Passive High-Speed Direct Attach Copper Cables (DAC). It will guide you step-by-step through confirming four core elements: protocol, transmission distance, cable connector type, and device compatibility. Finally, our product models are listed for your reference. The 40 Gb QSFP+ direct-attach cables are available to provide the following types of connections: Single-connection cables provide a 40 Gb (4 x 10 Gb) bidirectional copper or optical connection between unpopulated QSFP+ ports. Fan-out (or breakout) cables provide four 10 Gb bidirectional copper. This comprehensive guide covers everything you need to know about the 40G QSFP+ DAC cable, from their construction and benefits to key applications, selection tips, and frequently asked questions. 5m to 10m, cost-effective alternative to connect two 40G Ethernet ports of network switches. Trusted by 260K+ Enterprise Users. These cables provide low-latency, high-bandwidth solutions suitable for modern data center demands. Handle DAC cables carefully to ensure that you do not crimp or bend the cable; otherwise, you risk damaging the cable. © Copyright 2025 Hewlett.

## Article Content

Complete Guide to 40G QSFP+ Optical Transceivers

Today, we are proud to deliver a large selection of 25G SFP28, 40G QSFP+, 100G QSFP28 and 400G QSFP-DD optical transceivers and cables.

What 40G QSFP+ Optical Module, DAC, AOC is Best

The 40G network connection technology solution includes 40G QSFP+ series optical modules. Among them, the most common ones are 40GBASE-LR4

JTOPTICS 40G DAC Cables | High-Performance 40G Solutions

Discover JTOPTICS 40G DAC Cables for seamless, high-speed data transmission in scalable network environments.

40G QSFP+ | FS Twinax Cables

FS 40G DAC cable, passive/active DAC from 0.5m to 10m, cost-effective alternative to connect two 40G Ethernet ports of network switches. Get your 40G direct

DAC vs AOC Cables: Complete 2025 Data Center

Discover the differences between DAC, AEC, and AOC cables for data centers. Compare length, speed, power, cost, and use cases with simple tables

40G QSFP+ DAC and breakout DAC (copper cables)

Direct Attach over Copper (DAC) cables have a minimum bend radius of typically 10x the diameter of the cable (approximately 2.75" bend radius). Handle DAC cables carefully to ensure that you do

QSFP+ Direct Attach Cables (40G DAC)

Amphenol QSFP+ Passive Direct Attach Copper (DAC) Cables integrate Spectra-Strip's new 8-Pair SKEWCLEAR EXF tri-shield twinax wire, the lowest SKEW and

What is a 40G QSFP DAC (Direct Attach Cable)?

Use this quick table to pick the right cable for your rack. It compares passive and active options, straight 40G and 4x10G breakout, with typical reach and best-fit jobs.

Extreme Networks 400G/800G Cables: DAC & AOC Selection Guide

Complete guide to Extreme Networks 400G/800G cabling solutions. Compare DAC and AOC cables for high-speed network deployments with expert selection criteria and best practices.

Shop for 40 GB QSFP+ Direct Attach Copper (DAC) Cables

40G Direct Attach Copper 40G QSFP+, 40G QSFP+ Multivendor, 40G QSFP+ Breakout, and 40G QSFP+ Multivendor Breakout DAC Cables for High Speed Data Center Interconnects

How To Choose DAC High-speed Cable?

At present, there are many specifications of DAC high-speed cables on the market. If you want to buy a cost-effective high-speed cable product, ETU-LINK

Spec Sheet

Copper Cable assemblies are designed to exceed industry standard performance offering a cost-effective, low latency, low-power option for high-speed data center interconnects. The direct attach

Whether to Choose 40G DAC or AOC Cables

Brief Overview of DAC and AOC Cables QSFP DAC cable is a form of high-speed cable with “transceivers” on either end used to connect 40Gbqs

QSFP DAC VS AOC Cables, 40G QSFP+ Cables Guide

What are 40G QSFP AOC and DAC cables, how much do you know about AOC cable vs DAC? This post will introduce the definition of QSFP+ cable,

How to Choose a 40G High-Speed Direct Attach Cable

Here is a purchasing guide for 40G Passive High-Speed Direct Attach Copper Cables (DAC). It will guide you step-by-step through confirming four core

Pluggable Transceivers Installation Guide

These cables are available in lengths from 0.5 meter to 100 meters and are terminated in connectors that are inserted directly into the QSFP+ or SFP+ cages

40G QSFP+ DAC Cable | The Definitive Guide | Fibrecross

This comprehensive guide covers everything you need to know about the 40G QSFP+ DAC cable, from their construction and benefits to key applications,

9 common DAC Cables that Make Your Networking

DAC cable is a high-speed copper twin-ax assembly with pluggable connectors on either end. They can usually be divided by form factor: SFP+ DAC,

The Ultimate Guide to 10G DAC Cables: Everything You

Discover the power of 10G DAC cables and enhance your network performance. This ultimate guide explores everything you need to know about

40G/56G/100G QSFP+ DAC Cable Manufacturers

40/56/100G QSFP DAC 10Gtek® QSFP DAC based on IEEE 802.3ba and compliant MSA SFF-8436, application in 40G Ethernet, 100G Ethernet, infiniband QDR and Omnipath. 40G QSFP+ Breakout

40G QSFP+ Cables: DAC vs AOC, What Are the Differences?

QSFP+ AOC vs DAC, what are the differences between the two 40G cable types? QSFP+ breakout cables and QSFP+ to QSFP+ DAC or AOC cables, which one to choose? Are the

AOC vs DAC for 100G/400G: Distance, Power, Cost

If you want a deeper look at how DAC cables behave on real 10G/25G/40G links before deciding, our DAC cables guide walks through the

Understanding QSFP Cables: A Comprehensive Guide to 40G

Explore our comprehensive guide to QSFP cables for 40G direct attach options. From passive/active DAC to copper cable assemblies, find the perfect solution for your network.

Whether to Choose 40G DAC or AOC Cables - Fiber Optic Blog

Cost is typically the No.1 factor affecting your selection. When it comes to 40G DAC cables, it is the same, although it's quite clear that copper is much cheaper than optical cable. AOC,

## Contact Us

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