



100G QSFP28 to 4 x 25G SFP28 Passive DAC Breakout Cable, 3 ft.

One QSFP28 to Four SFP28, Cisco Compatible, MSA- and IBTA-compliant for Maximum Compatibility, Direct Attach Copper, AWG 30, Black

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3 ft. (1 m) QSFP28 to Four SFP28 DAC Cable, Cisco Compatible - Break out 100G into four 25G connections

This high-quality breakout cable from Intellinet Network Solutions splits a single QSFP28 100 Gigabit Ethernet port into four individual SFP28 25 Gigabit Ethernet connections, making it ideal for linking a 100G switch uplink to multiple 25G servers, storage devices, or switches. It is MSA-compliant for seamless integration with leading manufacturers such as Cisco, Intellinet Network Solutions, ZyXEL, TP-Link, and Ubiquiti, and equivalent to the Cisco DAC Cable Cisco QSFP-4SFP25G-CU1M. IBTA compliance ensures reliable performance in both Ethernet and InfiniBand environments, while support for QDR InfiniBand, SAS, and Fibre Channel Protocol (FCP) makes it a flexible solution for networking and storage applications.

The benefits of Passive Direct Attach Copper (DAC) over fiber optic and RJ45

Our passive QSFP28 to SFP28 DAC twinax breakout cable is an energy-efficient, low-latency, and cost-effective alternative to fiber optic and RJ45 cabling. It is an excellent choice for short-distance structured cabling between switches, routers, servers, or storage, whether in Top of Rack (ToR) setups, adjacent racks, switch stacking, or similar deployments.

Close to zero power consumption and a wide temperature range

Consuming less than 0.15 W, this passive DAC helps reduce operating expenses and produces zero heat in use. Its robust design supports operating temperatures up to 70 °C (158 °F), making it suitable for demanding data center environments.

Lower cost and simpler deployment than fiber optics

With fewer internal components than fiber optic cables, DAC breakout cables are more affordable and do not require separate transceivers, reducing both cost and complexity. Hot-swappable connectors allow for quick, seamless network upgrades or replacements without downtime, and unlike fiber, used DAC cables do not require cleaning before reuse.

Lower latency than RJ45

This DAC supports data transfer rates of up to 25Gbps per SFP+ channel, for an aggregated total of 100 Gbps. Compared to RJ45 twisted-pair cabling, its design provides lower signal latency, which is crucial for high-performance networking.

Built for durability and compatibility

Featuring durable zinc die-cast SFP28 and QSFP28 connectors with pull-to-release latches, this cable offers secure connections and easy removal. It is fully TAA-compliant and designed for broad interoperability with a wide range of networking equipment. Please note: This breakout DAC cable is MSA-compliant and programmed to work with compatible switches and routers from Cisco, Intellinet Network Solutions, ZyXEL, TP-Link, Ubiquiti, D-Link, Edimax, Allnet, Allied Telesis, Digitus, KTI Networks, LevelOne, PLANET, Tenda, TRENDnet, ZTE, Avaya, Mikrotik, Enterasys, Finisar, Dell Force10, Riverstone, Fortinet, and more.

Features:

- Breaks out a single 100 Gigabit Ethernet port into four separate 25 Gigabit Ethernet connections
- MSA-compliant for compatibility with leading switch manufacturers such as Cisco, Intellinet Network Solutions, ZyXEL, TP-Link, Ubiquiti and more (see specs)

For more information on Intellinet products, consult your local dealer or visit www.intellinet-network.com.

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- Equivalent to the Cisco DAC Cable Cisco QSFP-4SFP25G-CU1M
- IBTA-compliant to meet InfiniBand Trade Association standards, ensuring reliable performance and interoperability in Ethernet and InfiniBand networking environments
- Supports multiple protocols including QDR InfiniBand, SAS, and FCP for flexible deployment across networking and storage applications
- Passive Direct Attach Copper (DAC) twinax cable for cost-effective, low-latency, power-saving connections
- Significantly lower power consumption and price point than fiber optic cables
- Lower signal latency than RJ45 connections
- Simpler deployment than cables in optical transceivers with fewer components having to match
- Passive DAC as an ideal option in structured cabling for many short-distance applications
- Produces zero heat and can be used in high operating temperatures up to 70°C (158°F)
- Hot-swappable for seamless network upgrades or replacements
- Durable zinc die-cast SFP28 and QSFP28 connectors with pull-to-release latches for secure connections and easy removal
- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards and Certifications

- CE
- UKCA
- FCC
- RoHS
- REACH
- IEEE 802.3ba
- IEEE 802.3by
- SFF-8402
- SFF-8665

General

- Power consumption: <0.1 W (per end)
- Power requirement: 3.3 V
- Applications: 100 Gigabit Ethernet
- Maximum data transfer rate: 100 Gbps total aggregated bandwidth (25 Gbps per SFP28 channel)
- Minimum bend radius: 60 mm (2.36 in.)
- Impedance: 100 Ohm
- Length: 1 m (3 ft.)
- Net weight: 180 g (0.4 lbs.)
- Gross weight: 190 g (0.42 lbs.)

Compatible Brands

- Cisco, Intellinet Network Solutions, ZyXEL, TP-Link, Ubiquiti, D-Link, Edimax, Allnet, Allied Telesis, Digitus, KTI Networks, LevelOne, PLANET, Tenda, TRENDnet, ZTE, Avaya, Mikrotik, Enterasys, Finisar, Dell Force10, Riverstone, Fortinet and more

Connectors

- One QSFP28 male
- Four SFP28 males

Cable

- 30 AWG
- Type: passive copper, twinaxial
- Jacket material: PVC

Operating Environment

- Operation temperature: 0 - 70°C (32 - 158°F)
- Storage temperature: -40 - 80°C (-40 - 176°F)

Package Contents

- Passive DAC Twinax Breakout Cable

