

# **Hungarian Active Optical Cable PAM4**





## Overview

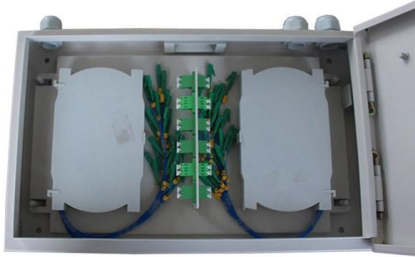
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2m (7ft) HW Compatible 400G QSFP-DD 8 x 50G PAM4 Active Optical Cable, Product Specification: Part Number - QDD-400G-A002, Vendor Name - FS, Form Factor - QSFP-DD to QSFP-DD, Max. Data Rate - 400Gbps, Cable Length - 2m (7ft), Cable Type - OM4. Siemon's 50G per lane PAM4 Ethernet or InfiniBand™ OSFP Active Optical Cable assemblies (AOCs) are designed to exceed industry standard performance offering a cost-effective, low latency, low-power option for high-speed data center interconnects. Our Electronics Products 'Product of the Year' award winning OSFP (Octal Small Form Factor Pluggable) cable assemblies are compatible with 25G/lane channel NRZ up to 224G/lane channel PAM4 signaling protocols that allow the cables to. This document has been deprecated, for more information refer to Interconnect Product Specifications or contact your NVIDIA representative at Enterprise Support Services. 125 Gbps PAM4 signaling with lengths from 1m to 50m over OM4 multimode fiber, this AOC features integrated FEC for enhanced signal integrity.



## Hungarian Active Optical Cable PAM4

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### AddOn White Paper

The PAM-4 solution covers a portion of the optical reach needed to interconnect data centers. Below 10km, IEEE 802.3ba 100G pluggable optics are readily available with 100GBASE-LR4 supporting

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### MaxLinear announces 5nm CMOS PAM4 DSP with

MaxLinear announces 5nm CMOS PAM4 DSP with integrated VCSEL drivers for 800G and 400G Multimode short-reach optical modules and

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### 400G QSFP112 Active Optical Cables, 4x100G PAM4,

FIBERSTAMP GIGALIGHT's 400G QSFP112 AOC is a hot-pluggable active optical cable designed for 400G Ethernet links in data centers. With 100G PAM4 and

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### Active Electrical Cables , Molex

High-speed, pluggable Active Electrical Cables (AECs) use re-timers to efficiently extend the reach of copper cables, delivering design flexibility and superior, low

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### **2m (7ft) HW Compatible 400G QSFP-DD 8 x 50G PAM4**

Thin and lightweight AOC cables simplify cable management, enabling an efficient system airflow, which is critical in high-density racks. It is used extensively in

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### **50G SFP56 PAM4 Active Optical Cable with FEC (1-50m)**

50G SFP56 Active Optical Cable 1m with PAM4 modulation and FEC. 53.125 Gbps, OM4 MMF, DDM monitoring. Ideal for 50G Ethernet data centers.

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### **Coherent Introduces 100G PAM4 VCSEL and**

PITTSBURGH, Feb. 28, 2023 (GLOBE NEWSWIRE) - Coherent Corp. (NYSE: COHR), a leader in datacom transceiver components, today announced the

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### **400G QSFP56-DD Active Optical Cables, 8x50G PAM4, 100 Meters**

FIBERSTAMP 400G QSFP56-DD AOC active optical cable is used for short-distance interconnection between internal devices in data centers. It complies with IEEE 802.3cm 400GBASE-SR8

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### **1m (3ft) NVIDIA/Mellanox Compatible 400G QSFP112 4**

This active optical cable is compliant with QSFP112 MSA and IEEE 802.3 ck-400GAUI-4. Thin and lightweight AOC cables simplify cable

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### **Coherent Introduces 100G PAM4 VCSEL and Photodiode Arrays for**

PITTSBURGH, Feb. 28, 2023 (GLOBE NEWSWIRE) -- Coherent Corp. (NYSE: COHR), a leader in datacom transceiver components, today announced the introduction of its 100G PAM4 vertical-cavity

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### **5-nm PAM4 DSP packs VCSEL drivers**

KeystoneMM, a PAM4 DSP from MaxLinear, integrates VCSEL drivers for 800G and 400G multimode short-reach optical modules and active optical

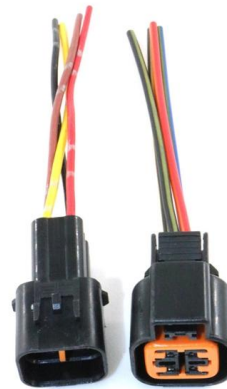
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### **Marvell Ara PAM4 Optical DSP**



The Marvell Ara PAM4 DSP is a next generation solution for GenAI and cloud datacenter interconnects utilizing pluggable transceivers. Ara features eight 200Gbps/channel PAM4 host electrical interfaces,

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### Active Optical Cables

Siemon's 50G per lane PAM4 Ethernet or InfiniBand™ QSFP56 Active Optical Cable assemblies (AOCs) are designed to exceed industry standard performance offering a cost-effective, low latency,

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### 400Gbps (100G-PAM4) Transceivers and Fiber Parts List

400Gbps (100G-PAM4) Transceivers and Fiber Parts List NVIDIA Docs Hub Homepage NVIDIA Networking Networking Interconnect 400Gbps

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### 7m (23ft) Generic Compatible 100G DSFP 2 x 50G PAM4 Active

The generic compatible DSFP Active Optical Cables are parallel 100G small form factor, hot-pluggable 850nm AOCs. The cable integrates dual VCSEL lasers and PIN photo-detectors with PAM4

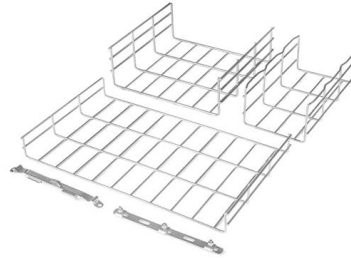
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## High-Speed Bulk Cables for 224G Connectivity

The Single Pair SkewClear<sup>®</sup> cables provide flexibility and performance for space-constrained environments, maintaining consistency and

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## Active Optical Cables

400G PAM4 OSFP Straight Throughs and Breakouts Regional Availability -- Global Siemon's 50G per lane PAM4 Ethernet or InfiniBand<sup>™</sup> OSFP Active Optical Cable assemblies (AOCs) are designed to

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## Spec Sheet

Active Copper Cable ACC2 assemblies offer longer lengths while still providing a low-power option for these interconnects. 400G PAM4 OSFP DAC applications are available in standard lengths up to 3

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## Spec Sheet

Regional Availability -- Global Siemon's 50G per lane PAM4 Ethernet SFP56 Active Optical Cable assemblies (AOCs) are designed to exceed industry standard performance offering a cost-effective,

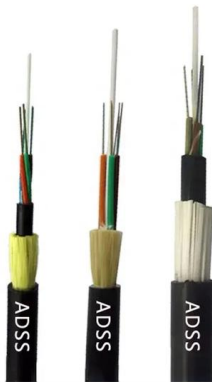
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## 800G OSFP112 Active Optical Cables 8x100G PAM4,

800G OSFP112 Active Optical Cables 8x100G PAM4, 100Meters (328ft) FIBERSTAMP 800G OSFP AOC active optical cable is used for short-distance

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## Marvell Extends Connectivity Leadership With Industry's First 1.6T PAM4

Marvell Technology, Inc. today introduced the Marvell® Alaska® A 1.6T PAM4 DSP for active electrical cables (AECs), the industry's first 1.6 Tbps AEC DSP to address emerging

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## Active Optical Cables

Active Optical Cables 400G PAM4 QSFP-DD Straight Throughs and Breakouts Regional Availability -- Global Siemon's 50G per lane PAM4 Ethernet QSFP-DD Active Optical Cable assemblies (AOCs)



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## OSFP Cable Assemblies , High Speed Input Output

Amphenol leading the industry in OSFP cable development. Our Electronics Products Product of the Year award- winning OSFP (Octal Small

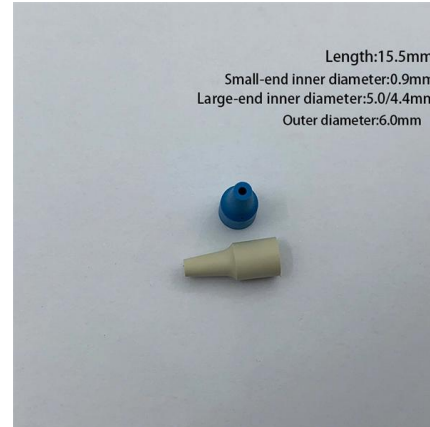
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## 50G SFP56 PAM4 Active Optical Cable with FEC (1-50m)



Our 50G SFP56 PAM4 Active Optical Cable delivers cutting-edge connectivity for next-generation 50G data center applications. Supporting 53.125 Gbps PAM4 signaling with lengths from 1m to 50m over

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### **400G QSFP-DD Active Optical Cable (AOC) , Lumentum**

Lumentum's 400G QSFP-DD Active Optical Cable (AOC) provides high-speed, low-latency optical connectivity for short-reach interconnects in hyperscale and enterprise data centers. Each cable

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For datasheets, pricing, or custom fiber access solutions, please visit:  
<https://frindel.es>