

# **RoHS compliant active optical module PAM4**





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# PAM4 Optical Modulation: Meeting the Demands of Increasing

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Consequently, the industry has turned to PAM4 modulation to realize ultra-high-bandwidth network architectures. PAM4 is an optical modulation technique that allows for higher data rates and

## AddOn MMA4Z00-NS-AO 800G OSFP 2xSR4 50m MMF

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Mellanox compatible 800GBase-2xSR4 OSFP transceiver for 50m MMF links in datacenters, 850nm PAM4, 2xMPO, TAA/RoHS compliant. The AddOn Networks MMA4Z00-NS-AO is a Mellanox



## **PAM4 Optical DSPs , Enabling high-bandwidth optical**

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Spica 800G PAM4 DSP Family, including the Spica Gen2 DSP, to enable 800G optical transceiver modules for hyperscale data centers and AI networks.

## **100G Optical Transceiver,Optical Transceiver Module**

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The 100G QSFP28 ER1 optical transceiver modules are designed to support 100G Ethernet, suitable for data center links up to 40km over single-mode fiber. The

## **400G XDR4 QSFP-DD , Broadex Technologies**

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400G XDR4 QSFP-DD Product Features Compliant with IEEE 802.3bs and QSFP-DD MSA  
Four parallel 1310nm optical lanes 8\*53.125Gbps (PAM4) electrical

## 200G QSFP56 SR4 AOC Active Optical Cable

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This optical module is an ideal solution for replacing bulkier copper cables, offering a longer reach, higher bandwidth density, and superior immunity to electromagnetic

## Marvell Ara PAM4 Optical DSP

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The Marvell Ara PAM4 DSP is a next generation solution for GenAI and cloud datacenter interconnectsutilizingpluggabletransceivers.Arafeatureseight200Gbps/channelPAM4 host electrical interfaces,



## **PAM4 Modulation , How is Transforming Optical**

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Short-distance 400G networking is made possible by PAM4 modulation scheme, which is set to revolutionize optical networking.

### **1.6T OSFP LPO 2×DR4 OP13LI8-005D Rev2**

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All are common within the OSFP module and all module voltages are referenced to this potential unless otherwise noted. Connect these directly to the host board signal-common ground plane.

### **FCBx850QE2Cyy\_Quadwire\_400G\_Ethernet\_QSFP-DD\_Active\_Optical**

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NOTE: The Active Optical Cable requires an electrical connector compliant with the QSFP-DD MSA be used on the host board to guarantee its electrical interface specification.



## **NVIDIA/Mellanox 0.5m 200G QSFP56 Passive Direct Attach Cable for DGX**

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Cisco Compatible 200GBASE-SR4 QSFP56 4x50G PAM4 850nm 100m MMF DOM MPO-12/UPC Optical Transceiver Module 3m (10ft) Cisco

## **OSFP-400G-FR4-A Arista Compatible 400GBASE-FR4 OSFP Finned Top PAM4**

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Arista Compatible 400G OSFP Transceiver Module Quick Specs Technical Specifications of 400GBASE-FR4 PAM4 Octal Small Form-factor Pluggable Double Density (OSFP) Flat Top.

## **Cisco 400G QSFP-DD Cable and Transceiver Modules**

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The Cisco® family of QSFP-DD modules provide the industry's highest bandwidth density while leveraging the backward compatibility to lower-speed

## **BCM87842 7-nm CMOS 400G (4:4) PAM-4 PHY with Direct-Drive**

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The Broadcom® BCM87842 is the industry's highest-performance and lowest-power single-chip 400GbE PAM-4 PHY transceiver capable of driving four lanes of 106-Gb/s PAM-4 at 53 Gbaud, while

## **800G OSFP to OSFP Active Optical Cable AOC 30m , Vitex**

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The V8C-P1P030C-AA is a 30m 800G OSFP-to-OSFP Active Optical Cable (AOC) for AI fabric interconnects where short-reach copper is insufficient and modular transceiver flexibility is not



## **Overview of 100G PAM4 Optical Modules with DWDM Technology**

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Discover the benefits, features, and applications of 100G PAM4 DWDM optical modules, and learn how they compare with coherent optics for modern network deployment.

## **Understanding the OSFP Standard: The Open 400G/800G Optical**

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What Is the OSFP Standard? OSFP (Octal Small Form Factor Pluggable) is a pluggable optical transceiver interface standard that supports eight electrical lanes (Tx/Rx) per module. Each

## **QEPT 4-TRX 200G PAM4**

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QEPT 4-TRX 200G PAM4 200 Gb/s High-Speed Optical Pluggable Module DOUBLE PERFORMANCE, SAME SIZE, the Amphenol AOP56Gbps commercial temperature "Quad Embedded Pluggable

## **Optical Transceivers , Fiber Optic Transceivers , Form**

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Leveraging LPO technology, the module provides ultra-low-latency, power-efficient optical links tailored for AI, high-performance computing, and

## **Luma Optics , Product**

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QDD-400G-SR8-S Compatible QSFP-DD 400GBASE-SR8 PAM4 850nm 100m DOM MPO-16/APC MMF Optical Transceiver Module. This transceiver can be used in full 400G mode, 2 x 200G-SR4, 4



## Spec Sheet

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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,

## Arista OSFP-800G-VSR8 OSFP 8x100G SR8 Transceiver , FiberMall

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Arista OSFP-800G-VSR8 Compatible OSFP 8x100G SR8 PAM4 Optical Transceiver Module (850nm MTP/MPO-16 MMF 100m OM4 with FEC DDM) OSFP 8x100G SR8 transceiver modules are

## JT-1600G-OSFP-LC-2FR4

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JTOPTICS 1.6T OSFP-XD 2FR4 Transceiver is engineered to transmit and receive serial optical data links at rates up to 212.5 Gb/s per channel using PAM4

## **COMNEN 400G QSFP112 DR4 LPO Optical Transceiver Datasheet**

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**Product Specifications** This product is a 400Gb/s QSFP112 optical module designed for 0.5Km optical communication applications. The module converts 4 channels of 100Gb/s (PAM4) electrical input

## **1.6Tb/s Twin-port XDR OSFP 2xDR4 1310nm 500m Optical Transceiver**

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**Description** The OSFP-1.6T-2xDR4H is a cost-effective module with high performance, which is optimized for AI Datacenter, supporting data-rate of 8x212Gb/s PAM4 Optical interface and



## **Optoelectronic Devices 850 nm 100 Gbps PAM-4 Multimode VCSEL**

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RoHS and REACH Compliance ng polluting and hazardous substances from all our products. The relevant evidence of RoHS and REACH compliance is held as part of our 2024 Coherent Corp.

## **1.6T 2xFR4 OSFP PAM4 Optical Transceiver**

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Optical Transceiver Jabil 1.6T 2xFR4 OSFP PAM4 Optical Transceiver is a small form-factor, high speed, and low power consumption product targeted for use in optical interconnects for data

### **Contact Us**

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For datasheets, pricing, or custom optical networking solutions, please visit:  
<https://entrenamientointeligente.es>