

Co-packaged photonics QSFP-DD for edge computing



Overview

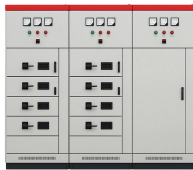
Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D Siliconization Supports an expansive list of interoperability modes from Optical Internetworking Forum (OIF), OpenZR+ MSA, and OpenROADM MSA. Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D Siliconization Supports an expansive list of interoperability modes from Optical Internetworking Forum (OIF), OpenZR+ MSA, and OpenROADM MSA. Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D. The Cisco ® family of QSFP-DD modules provide the industry's highest bandwidth density while leveraging the backward compatibility to lower-speed QSFP pluggable modules and cables. The Cisco 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety. QSFP-DD Packaged Optical Module by Application (Data Center, Cloud Computing, Large Scale Network,

Others), by Types (200G, 400G, 800G, Others), by North America (United States, Canada, Mexico), by South America (Brazil, Argentina, Rest of South America), by Europe (United Kingdom, Germany, France. Compared to traditional direct detection, coherent detection provides significant advantages: High Sensitivity: Capable of detecting extremely weak optical signals, enhancing system reception sensitivity. High Spectral Efficiency: Supports advanced modulation formats (e., QPSK, 16QAM, 64QAM). By adding photonics capability to world-leading silicon manufacturing, Intel® is developing a new class of high-speed optical connectivity products. Intel® Silicon Photonics combines the manufacturing scale and capability of silicon with the power of light onto a single chip. The 400G QSFP-DD ZR+ HO is designed for 100G/200G long haul and 300G/400G Metro IP over DWDM applications.

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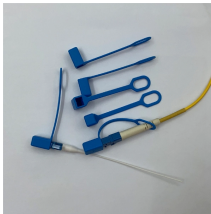
The QSFP-DD packaged optical module market is characterized by products offering unparalleled density and bandwidth for high-performance networking. These modules support multiple high-speed ...



Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links Powered by Greylock and Delphi DSP ASICs, ...



Today, our pluggable modules connect Ethernet switches in large data centers. As demand for bandwidth increases, silicon photonics co-packaged with switch ASICs will provide the bandwidth ...



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



The Hyper Photonix 400G QSFP-DD ZR+ HO (High Output) transceiver is a high performance, high output power, cost effective module for optical data communication applications ...



The FS QSFP-DD Digital Coherent Optics (DCO) transceiver supports 400G coherent transmission for data center interconnect and metro/edge applications.



NADDOD's 400G QSFP-DD DCO coherent module, housed in a QSFP-DD form factor, is designed to address a wide range of hyperscale data center applications. It enables high ...



July 11, 2019 - QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER - Rev 5.0 May 8, 2019 - Common Management Interface Specification - Rev 4.0



Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe[®] Gen 5.0 over optical link, enabling scalable server disaggregation and ...



The QSFP-DD package complies with the IEEE 802.3bs standard and the QSFP-DD MSA (Multi-Source Agreement) specification. It achieves higher data transmission rates by providing more channels and ...



Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power make it an optimal choice for a wide range of ...

Contact Us

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