

Our optical modules feature traditional DPO, low-power LRO, LPO, and Active Loopback designs for testing, and support data rates from 10G up to 1.6T across a wide range of package types.

Factory-direct optical transceivers and high-speed cables, from legacy links to 1.6T, built to deploy faster, scale cleaner, and stay compatible as your network evolves.

Its core product portfolio includes 100G, 400G, 800G, and 1.6T optical transceiver modules, along with passive optical communication products for data centers and AI optical computing centers, and ...

Our 1.6T optical DSP delivers high-bandwidth at 224Gbps per lane PAM4 data transmission at breakthrough energy efficiency. Our PCIe Gen6 retimer delivers 40dB reach and sub 7ns latency at ...

Broadcom's Active Copper PHY portfolio enables DAC cable providers to build very low insertion-loss profile, ultra-low latency, ultra-low power cables for 100G/400G/800G/1.6T hyperscale/AI networks ...

The 1.6T 2xDR4/DR8 optical module is a high-speed optical transceiver compliant with the IEEE 802.3dj standard, designed for medium- to short-distance transmission in 1.6T Ethernet.

This article explains how this new 1.6T rate emerged, what the technical principles and key features of 1.6T optical modules are, the major module types involved, and the application scenarios driving ...

By seamlessly integrating advanced silicon photonics, ultra high speed circuit and packaging designs, Hyper Photonix offers a comprehensive range of high-speed optical transceivers - with data rate ...

Each module integrates eight electrical and eight optical channels operating at 212.5 Gbps PAM4 per lane for an aggregate data rate of 1.6 Tbps. With integrated DSP and silicon photonics (SiPh) ...

It supports up to 500m reach over single-mode fiber, operates within a 0?-70? case temperature range, and complies with IEEE 802.3df and OSFP1600 MSA standards, with support for CMIS 5.x. ...

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