

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 ...

Discover the application of PAM4 modulation in 400G transceivers, including multi-mode and single-mode options, and the future trends in optical transceivers.

In this blog, we take a higher-level look at PAM4, the modulation scheme that makes short distance 400G networking possible, and discuss how this technology has enabled big leaps in optical ...

Browse optical transceivers from Pivotal Optics including SFP, SFP28, QSFP28 & QSFP-DD modules. 1G to 400G solutions for data centers & networks. Shop now!

Samtec's FireFly(TM) Micro Flyover System(TM) embedded and rugged mid-board optical transceivers take data connection "off board" for up to 28 Gbps per lane with a path to 112 Gbps PAM4 via optical ...

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

Supporting 2km transmission over single-mode fiber at 1310nm wavelength, this compact SFP-DD module provides 2.1 dB link budget with dual-lane PAM4 at 53.125 Gbps per lane. IEEE 802.3cu ...

An SFP (Small Form-factor Pluggable) is a compact, hot-pluggable transceiver module that allows networking equipment -- including switches, routers, servers, and media converters -- to support ...

PAM4 is an optical modulation technique that allows for higher data rates and increased spectral efficiency compared to NRZ. In PAM4, each symbol represents multiple bits of information ...

The definitive guide to SFP, QSFP, and QSFP-DD standards for 2025. Compare 400G/800G optics, understand PAM4 complexity, and master QSFP-DD vs OSFP deployment ...

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