

# NRZ Selection Guide for IoT-Grade Pluggable Optical Modules

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 ...

The XPO pluggable module preserves the advantages of field pluggability, enabling quick replacement or upgrades of optical modules without servicing the entire switch and minimizing downtime.

The definitive guide to the QSFP optical module series (40G, 100G, 400G, 800G). Learn the technical differences, evolution path, and optimal selection criteria for QSFP+, QSFP28, QSFP ...

400G optical modules are high-speed transceivers using PAM4 modulation and multi-lane architectures to enable ultra-high bandwidth connectivity. They are essential for AI clusters, ...

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 ...

Explore how PAM4 modulation enables 100G DSFP optics, why NRZ reached its limits, and how modern DSP-driven designs deliver high-density, scalable optical interconnects.

GIGALIGHT provides 100G, 200G, and 400G pluggable digital coherent optical transceiver modules (DCO) for data center interconnection (DCI), 5G backhaul, metro telecommunication, and other long ...

Compare 400G ZR, ZR+, and Open ROADM to find the best coherent pluggable module for your network -- from DCI to metro and long-haul deployments.

This white paper reports on the performance evaluation of 400ZR and OpenZR+ pluggable modules in a multi-vendor interoperability environment, conducted during the OIF OFC ...

Optical interface Wavelength Electrical interface SFP28, Duplex 9.95-11.3Gb/s 10Gbaud, NRZ C-band, 50 channel, 100GHz grid 10GAUI, NRZ Reach 80km Power consumption 2.5W (E-Temp) Operating ...

Equipment and electrical serdes can evolve through 3 generations (25 Gb/s, 50 Gb/s or 100 Gb/s) without changing the optical interface that interconnects your equipment.

The table below lists the Cisco Pluggable modules in the Cisco ONS family that have reached end-of-sale or end-of-life status, followed by their replacement products.

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