

# Malta optical module LPO

The LPO optical module performs transmit and receive functions that convey analog signals between the host and the medium. Its electrical interfaces are based on OIF CEI-112G-LINEAR-PAM4 host to ...

MALTA, N.Y., May 4, 2026 - GlobalFoundries (Nasdaq: GFS) (GF) today announced the introduction of its SCALE(TM) optical module solution for co-packaged optics (CPO). GF's SCALE ...

By design, LPO offers a scalable path to reconciling high data rates with low power consumption for pluggable modules, while CPO enables direct integration of photonics onto the switch IC, thereby ...

By shifting these functions from the module to the host, LPO achieves lower power consumption and latency while staying fully compatible with modern high-speed data center ...

Leveraging LPO technology, the module provides ultra-low-latency, power-efficient optical links tailored for AI, high-performance computing, and hyperscale data center applications. It features a standard ...

The LPO MSA develops electrical and optical interoperability specifications for a diversity of high-density networking equipment and pluggable optical modules based on LPO technology

LPO (Linear Pluggable Optics) transceivers lack full retiming (DSP) circuitry that is common in all prior generations of 400G, 800G and 1.6T optical modules. As a result, LPO relies on the host to handle ...

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This data is available from LPO modules and represents an indication of the optical output power, which is equivalent to transmit power reported by retimed modules.

Comparison to CPO g the need for a standalone module. Although CPO is becoming increasingly popular, LPO is seen as a natural evolutionary path for pluggables, offering lower risk compared to ...



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