

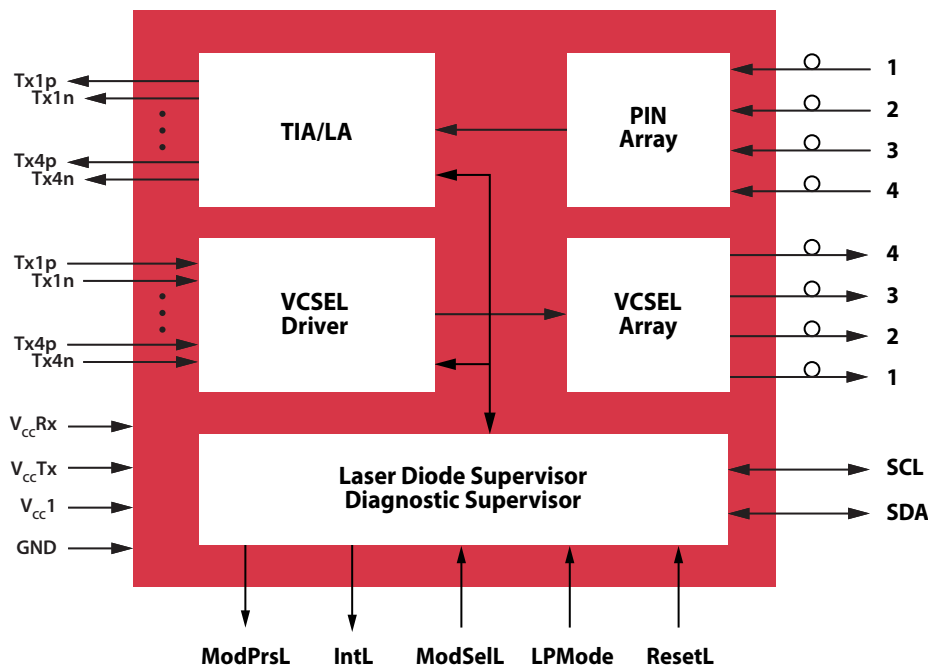
Parallel Fiber Optic Transceiver (4+4) x 3.125 Gbps ZL60505

PRODUCT PREVIEW

Zarlink's ZL60505 QSFP (Quad Small Form-factor Pluggable) module combines the higher density capabilities of parallel modules with key advantages normally associated with small form factor (SFP)-based modules to deliver significant performance advantages for high-density switching, routing and data centre applications.

By combining four ultra-high capacity, independent fiber transmit and receive channels into one highly integrated QSFP module, network equipment manufacturers can increase port density and system throughput while lowering design complexity and costs. Zarlink's ZL60505 QSFP solution reduces edge and board density by 60 percent while cutting power requirements in half to simplify heat management. Supporting end-user flexibility, z-axis electrically hot-pluggability allows on-demand and in-field port population. Integrated digital diagnostic monitoring improves system management by allowing customers to access key performance parameters as well as providing alarm and warning flags.

Zarlink's ZL60505 QSFP modules follow the QSFP MSA (multi-source agreement), which defines mechanical form-factor, electrical pin-out and diagnostic management interface. Individual channel rates up to 5 Gbps will initially be supported by the product family.



Applications

- ➔ High-speed interconnects within and between switches, routers and transport equipment
- ➔ Server-Server Clusters, Super-computing interconnections
- ➔ Proprietary backplanes
- ➔ Interconnects rack-to-rack, shelf-to-shelf, board-to-board, board-to-optical backplane
- ➔ XAUI over fiber-ribbon
- ➔ 2xGbE applications
- ➔ InfiniBand SDR applications

Next-Generation, High-Density QSFP Module Technology

- ➔ Four independently addressable differential transmit and receive channels
- ➔ Highly integrated—savings of 60 percent on edge and board usage compared with four SFP modules
- ➔ Typical QSFP module power consumption of 1 W
- ➔ Electrically z-pluggable, allowing port population on-demand
- ➔ Electrically hot-pluggable XFP-like latch mechanism for ease of insertion
- ➔ Digital Diagnostic Monitoring Interface allows customer management and monitoring of key module parameters
- ➔ Optical connectivity via industry-standard MPO/MTP terminated fiber ribbon
- ➔ QSFP MSA compatible

Availability

Zarlink's ZL60505 QSFP module is now in full production. Evaluation boards, including modules, cages and an appropriate GUI for diagnostic capabilities, are available for qualified customers.

For more information, please contact your local Optical Sales representative (http://www.zarlink.com/zarlink/hs/sales_support_14588.htm).

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