

Get In Touch
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100G DWDM OPTIMIZED TRANSPORT

A reliable optical networking solution providing more than 2x more bandwidth, zero additional fees and a full, 5-year warranty included with every purchase



Reduce Gigabit Cost

Filter out idle packets and efficiently add more traffic, increasing bandwidth utilization and reducing costs.



Intelligent Aggregation

Convert media from 10G to 100G and run at true line rates, shape bandwidth per port to fit your needs.



Increase Profits

More than double your bandwidth using the same equipment allows you to have more flexibility with your margins.



Green and Compact

Modular compact purpose built DWDM appliances designed for providing industry leading low power consumption.

Flexible Bandwidth

WHY IT'S BETTER

Whether you are backhauling, fronthauling or crosshauling, aggregating traffic and using a shared channel is the cornerstone of telecommunication. We use an algorithm to filter out idle packets, filling the pipe more efficiently. This lowers the cost per Gigabit and allows you to increase margins.

Optimized Backhaul

HOW IT WORKS

Our 100G products, utilize a first-of-its-kind, OSI Layer 1 multiplexing algorithm that provides dynamic allocation of bandwidth on an as-needed basis. It uses physical ports with soft-assigned priorities to provide QoS control, flexible bandwidth allocation, and optimal line utilization.

FLEXIBLE BANDWIDTH

- Algorithm filters out idle packets, enabling for more than 2x the bandwidth on each 100G channel
- Network administrators can soft-assign a class or priority level to each client port for quality of service
- Priority levels can be adjusted at any time. Using a weighted round robin algorithm (WRR)
- The platform has four soft-settable class levels

COMPLETE SOLUTIONS

- No additional charges or recurring cost for licenses, or anything ever, for the life of the product
- No system failures, we provide Extreme MTBF as our equipment has never gone down in the field
- 5-year warranty included with every system purchase
- Provides spans that can be separated by as much as **140 km** without a need for mid-span amplification
- Integrated system architecture provides a Digital ROADM (Reconfigurable Optical Add Drop Multiplexer) to remotely switch traffic with any-to-any mapping
- Tuneable systems (based on ITU grid) or with fully integrated optical components including DWDM Mux/Demux filter, Erbium-Doped Fiber Amplifier (EDFA)

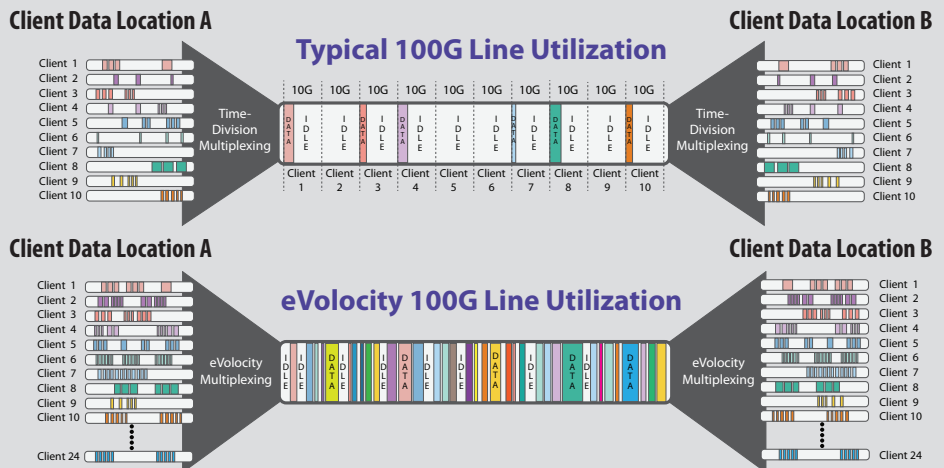
TECHNICAL SPECIFICATIONS

Physical Dimensions	Height: 1RU or 2RU Width/Depth: 16.9"/27.3" (29.5" with cable relief), 16.9"/17.5" (19.8" with cable relief) Weight, minimum: 32lbs
Client Interfaces	Number of client-side ports per system: 3 of 6 (QSFP+) - Up to 240Gbps client-side services (up to 480Gbps, upcoming feature)
Line Interfaces	Number of line-side ports per system: 1 or 2 (CFP) - 100Gbps or 200Gbps line-side bandwidth
Power Requirements	Power input AC: 100-240V AC, 50/60Hz Power input DC: -48 to -60V DC Power consumption, typical: 0.68W per Gigabit
Environmental	Operating temperature: 0 to 50°C Storage temperature: -40 to 70°C MTBF: 87,600 hours Non-operating (Shock and Vibration): ISTA-2A, IEC60068-2-6, 60068-2-64, 60068-2-27

USE CASES

- Joining lit services and dark fiber dwdm networks
- Data center interconnect and cross connect
- Backhaul, fronthaul and crosshaul optical transport
- Middle mile and edge connectivity

100G MODELS



Visit us at www.xkl.com, call us at 866.802.2777 (USA toll free) or +1.425.497.6590 to design a solution that best fits your network needs
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