OIF

ACCELERATING MARKET ADOPTION OF OPTICAL NETWORKING TECHNOLOGIES
PROJECT HIGHLIGHTS 2024

150+ Member Companies → Identifies Industry Needs and Gaps → Develops Implementation Agreements (specifications) → Performs Interoperability Demonstrations

OPTICAL

Multi-vendor Interoperability in Client Form Factors

1600ZR+
• <1000km multispan Coherent DWDM

1600ZR, 800ZR, 400ZR
• >80km Coherent DWDM

800LR
• <10km Coherent Point-to-Point

ENERGY EFFICIENT INTERFACES

• **Next Generation Low Latency Interfaces for AI/ML & Data Centers**
• **Co-Packaged Modules**
• **External Laser Sources**

PROTOCOL

FlexE
• More Efficient
• Agile Networking

MANAGEMENT

Common Management Interface Specification (CMIS) and Coherent CMIS
• Common
• Flexible
• Extendable

ELECTRICAL

Common Electrical I/O (CEI)
• High-Speed Building Blocks
• 224G, 112G, 56G, 28G
• Protocol Agnostic Link Training

NETWORKING

Transport SDN APIs
• Automation, Programmability

Enhanced Network Operations
• Artificial Intelligence
• Digital Twin
• Awareness Between Application and Optical Layers

OIF
• Member Driven Global Organization
• 25+ Years of Service
• 150+ Member Companies
• 80+ IAs (specifications)
• 50+ Interop Demos