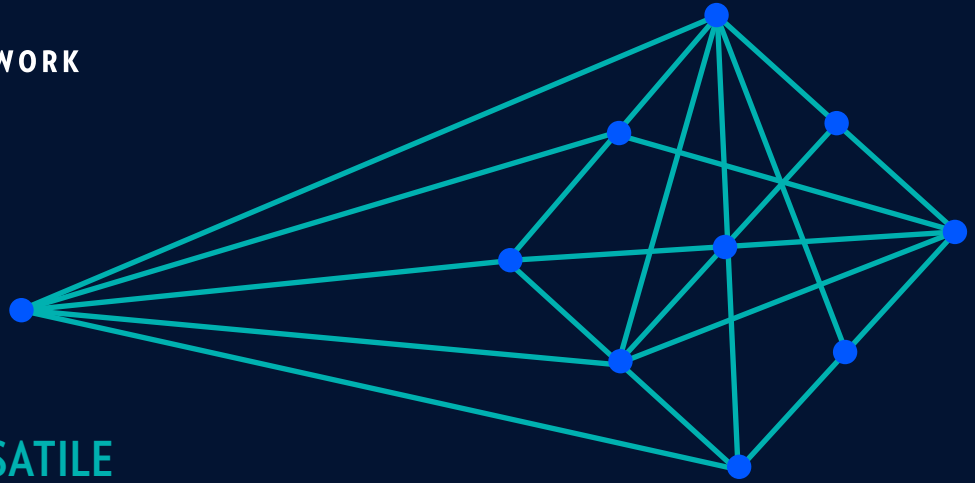


APOLLO OPT9624

**POWERFUL AND VERSATILE
CORE OPTICAL TRANSPORT**



The Apollo family of optical transport and switching platforms enables service providers to deploy end-to-end transparent optical networking solutions for a broad range of clients at the lowest cost per bit. Moreover, Apollo does this while simultaneously supporting packet services, high-efficiency operations, high availability, low-latency Layer 1 encryption, and SDN applications. The OPT9624 is Apollo's most powerful and versatile transport platform with a total client and network capacity of 19.2T. The OPT9624 arsenal of transponders and muxponders includes 100G, 200G, and 400G network interfaces that are software programmable for varied client mixes. It supports up to 20 degrees of all-optical networking using flexible-grid CDC ROADMs. Along with other members of the Apollo family, the OPT9624 can be used to construct and customize any type of access-through-core and data-center-connectivity optical transport application.

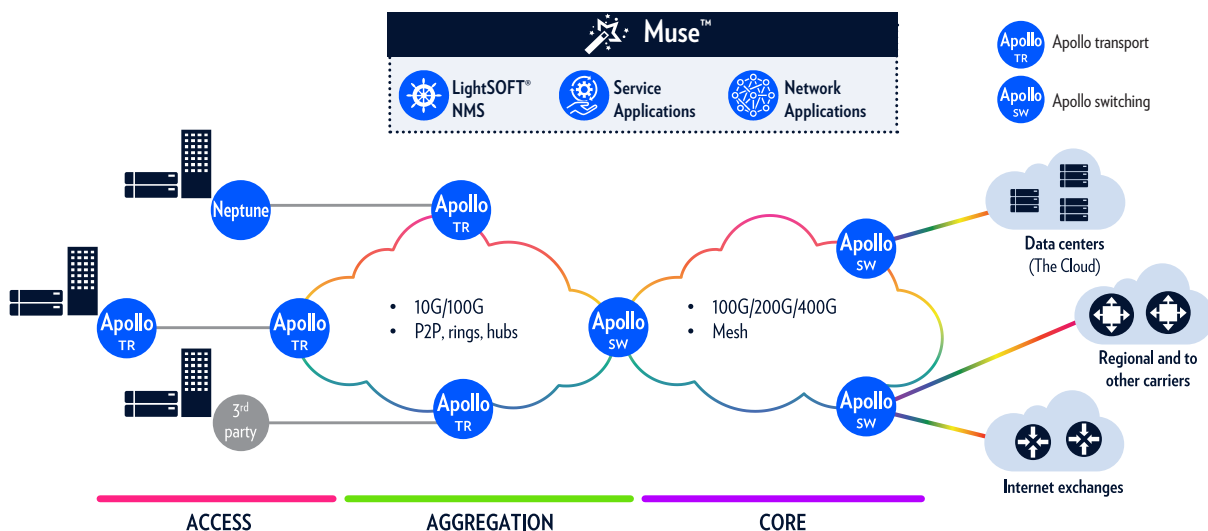


Lowest cost per bit
transparent transport

Integrated packet services
MEF Carrier Ethernet

High-efficiency operation
E2E visibility and control

Green technology
dense low-power blades



Technical specifications

| | |
|--------------------------------------|---|
| Topologies | Mesh, hub, ring, linear, point-to-point |
| Spectrum | Extended C-band Fixed grid: 50GHz/96ch and 100GHz/48ch Flexible spectrum at 12.5GHz resolution Super-channel at 12.5GHz resolution up to 128 channels |
| Capacity | Shelf: 24 slots for blades, interchangeable across Apollo family transport platforms 14.4T client capacity (28.8T total capacity) |
| Service (client) interfaces | Ethernet (1GbE, 10GbE, 40GbE, 100GbE) SDH/SONET (STM-1, 4, 16, 64/OC-3, 12, 48, 192) SAN (FC-1, 2, 4, 8, 10, 16) Video (DVB-ASI, SDI 270, HD-SDI 1.5G/3G) OTU (1, 2, 2e, 3, 4) |
| Layer 2 interfaces | MEF Carrier Ethernet 2.0 virtual LAN services: E-Line, E-LAN, E-Tree, and E-Access Statistical multiplexing transport aggregation Connection-oriented transport using integrated 60G Q-in-Q or MPLS-TP switch |
| Encryption | AES256-GCM with Diffie-Hellman group 5 key exchange, FIBS 140-2, level 2 |
| Network (DWDM) interfaces | OTU1 (2.5Gbps) OTUC2 (200Gbps) OTU2/2e (10Gbps) OTUC4 (400Gbps) OTU3e (40Gbps) OTUC6 (600 Gbps) OTU4 (100Gbps) |
| Optical add/drop multiplexers | 2-, 4-, 9-, and 20-degree ROADMs (fixed grid and flexible grid) with automatic power equalization and Colorless, Directionless, and Contentionless (CDC) wavelength routing Fixed OADM 100% add/drop capacity |
| Amplification | EDFA, Raman, Hybrid EDFA/Raman, with embedded optical leveling and control Output power: 16 dBm to 26 dBm Gain: up to 40 dB with/without 10 dB midstage |
| Protection | OCH 1+1, OLP, OMSP, Y Protection, DRI/DNI |
| Restoration | Wavelength Switched Optical Network (WSON) – wavelength level Automatic Switched Optical Network (ASON) – service level 1+1, 1+1 forever, preplanned/dynamic protection |
| HW redundancy | All common units/cards: power supply, controllers, fan units |
| Dimensions | ETSI width, 674 mm height, 271 mm depth, 24 service slots |
| Power input | -40.5 VDC to -75 VDC |
| Environmental | Operating temperature: -5C to +55C Relative humidity: 5% to 90% (non-condensing) |
| SDN | MUSE™ applications (e.g. Bandwidth on Demand, Scheduled Services) |
| Network management | LightSOFT® end-to-end, point-and-click network management |
| Performance monitoring | LightPULSE™ integrated real-time OSNR and other parameters |

Specifications subject to change without notice

Contact us to find out how Apollo can build powerful and versatile optical networks



ABOUT ECI

ECI is a global provider of ELASTIC network solutions to CSPs, critical industries, and data center operators. With the advent of 5G, IoT, and smart everything, traffic demands are increasing dramatically, and network operators must make smart choices as they evolve their infrastructure. ECI's Elastic Services Platform leverages our programmable packet and optical networking solutions, along with our service-driven software suite and virtualization capabilities, to provide a robust yet flexible solution for any application. ECI solutions are tailored for the needs of today, yet flexible enough to meet the challenges of tomorrow. For more information, visit us at www.ecitele.com