



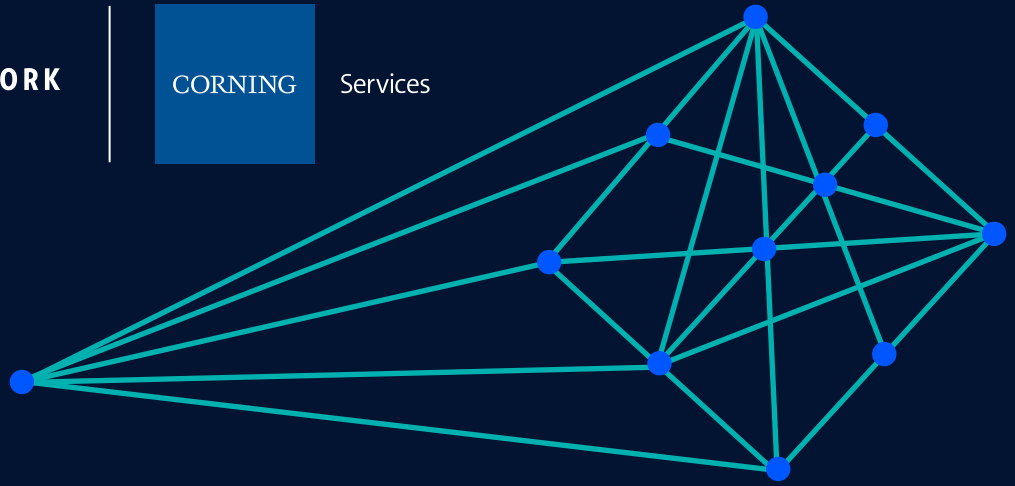
THE ELASTIC NETWORK



Services

NEPTUNE NPT-1025

L2-L3 METRO ACCESS PACKET TRANSPORT



NPT-1025 is an extremely compact multiservice packet transport platform. A member of ECI's Neptune (NPT) product line, NPT-1025 is only 1RU in height, supports up to 56 Gbps in capacity, and is optimized for metro access nodes. The Neptune product line streamlines end-to-end metro service delivery, combining carrier-grade service assurance, visibility, and control, with unparalleled packet and TDM multiservice support. Through convergence of Ethernet (MEF CE2.0 certified), MPLS-TP, IP/MPLS, and TDM, Neptune enables powerful and flexible high-performance service delivery.



With such a rich and robust feature set, NPT-1025 is well-suited for a wide variety of applications and networking scenarios. These include mobile backhaul, wholesale services, residential multiplay and business VPN connectivity services. Like all of ECI's transport products, NPT-1025 is managed by the unified multilayer LightSOFT® NMS.

Unmatched multiservice

TDM, Ethernet, MPLS-TP, OTN

Compact packet

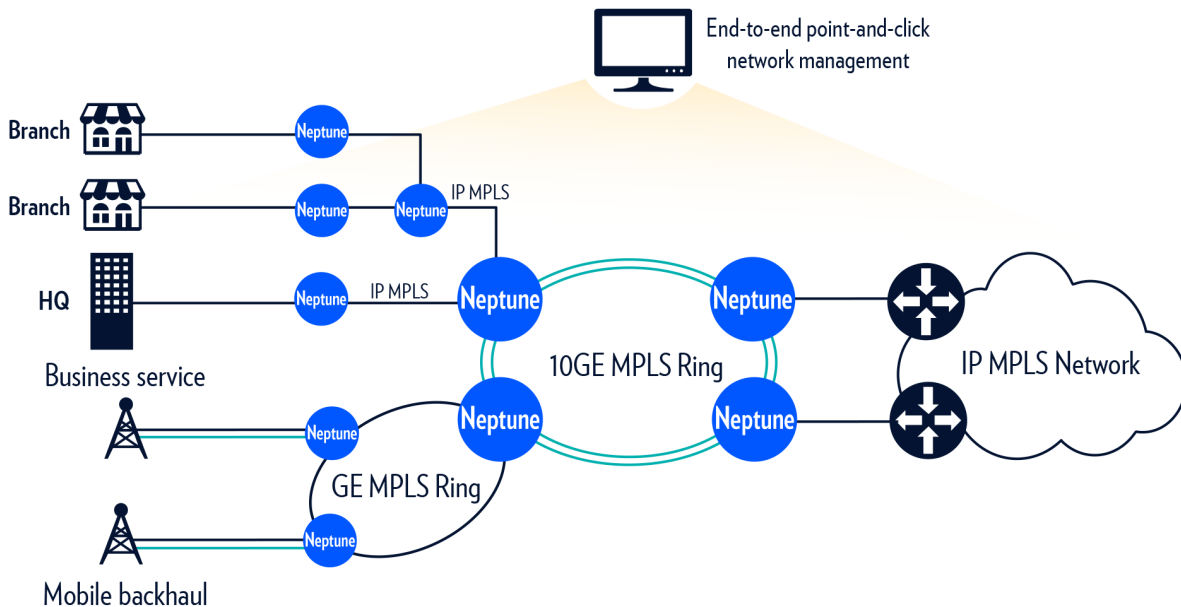
metro access

Carrier-grade

service assurance

Future-proof scalability

from GE to 10GE



Technical specifications

Packet	Switch: 56 Gbps Services: MEF CE2.0 (E-Line, E-LAN, E-Tree, E-Access) PN- and VPN-based Ethernet and IP, MPLS-TP, IP/MPLS, MPLS VPWS, VPLS, L3VPN, LDP for LSP/PW, IPv4 Stack and IPv4 hardware forwarding, OSPF for IPv4, BGP for IPv4, MP-BGP, VRRP, VRF-Lite, multicast, IPTV Max. interfaces: 16 x 10/100/1000 Base-T, 24 x 100/1000 base-X, 4 x 10GE
TDM	Services: CES (SATO P, CESoPSN) Max. CES interfaces: 16 x E1
Timing and synchronization	SyncE with ESMC, 1588v2, external timing 1PPS and TOD (supports SSM bits), ACR, DCR, loop timing on SAToP, TDM bits (T3/T4), SNTP
Protection and restoration	HW redundancy for power supply units G.8031 ELPS, G.8032 Ethernet Ring Protection (ERP), 1:1 Linear protection, PW Redundancy (PWR), IEEE 802.3ad Ethernet Link Aggregation (LAG) with LACP, VRRP
OAM	Ethernet OAM (IEEE 802.3ah, IEEE 802.1ag and ITU-T Y.1731 PM), MPLS-TP OAM (G8113.1) (CC/LB/LT/AIS/RDI/APS/LM/DM/CSF), RFC 2544 Generator, Y.1564 - Ethernet service activation (SLA), IP and MPLS OAM (IPv4 Ping, IPv4 Traceroute, LSP Ping/PW Ping/Tunnel, LSP Traceroute/PW Traceroute/Tunnel Traceroute/L3VPN Traceroute/Ping/L3VPN Ping, BFD for OSPF/VRRP, BFD for PW/Static LSP/LDP LSP/CR-LSP/Tunnel/IP
Traffic management	Traffic classification (based on Port, VLAN, Port+VLAN, IEEE 802.1p, and DSCP), Diffserv-based TM, 8 Classes of Service (CoSs), rewriting of 802.1p CoS/DSCP per EVC
Topologies	Mesh, dual homing, multi-ring, ring, star, linear
Security	RADIUS (client authentication Access Control List (ACL), SSH2
Management	LightSOFT® NMS, SNMPv2/v3, CLI, Syslog, Muse™
Pluggable SFP/CSFP/SFP+ support	Electrical, colored C/DWDM, tunable, non-colored, Compact SFP (CSFP), XFP and bidirectional SFPs/XFP
Power input	-40 VDC to -72 VDC, 100 VAC to 240 VAC
Power dissipation	Typical: 50W
Operating temperature range	-5°C to +65°C (23°F to 149°F)
Operating RH range	10% to 90%
Environmental standards	NEBS -GR-63 Core, ETS 300 019-1-3 Class 3.3, ETS 300 019-2-3 Class 3.3
Safety	EN60950-1
EMC	ETS 300386 and ETS 300127 class B
Physical dimensions	H x W x D: 1.7" x 17.3" x 10.5" / 44 x 440 x 266mm

Specifications subject to change without notice

Contact us to find out how our ELASTIC networks can help your business grow



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Elite Partner;
System Integrator for
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European Countries

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