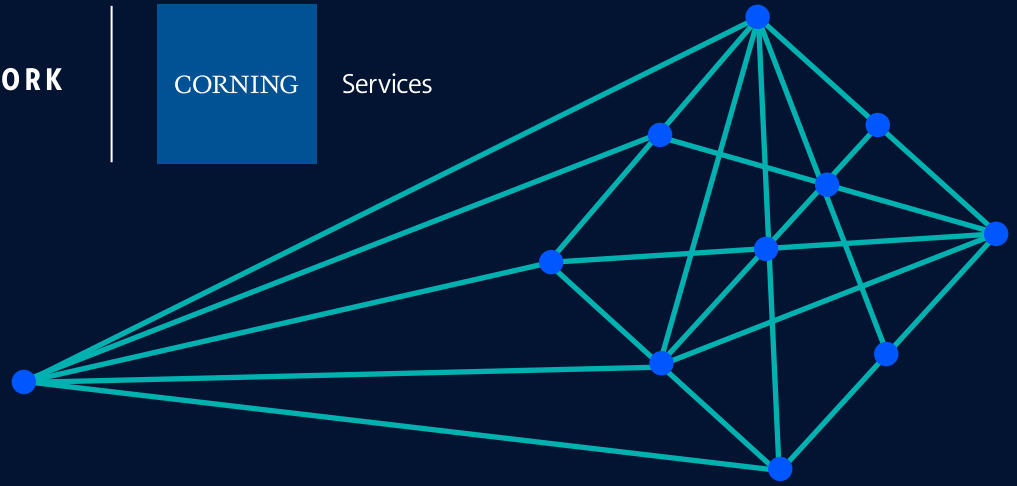




THE ELASTIC NETWORK



Services



NEPTUNE NPT-1011

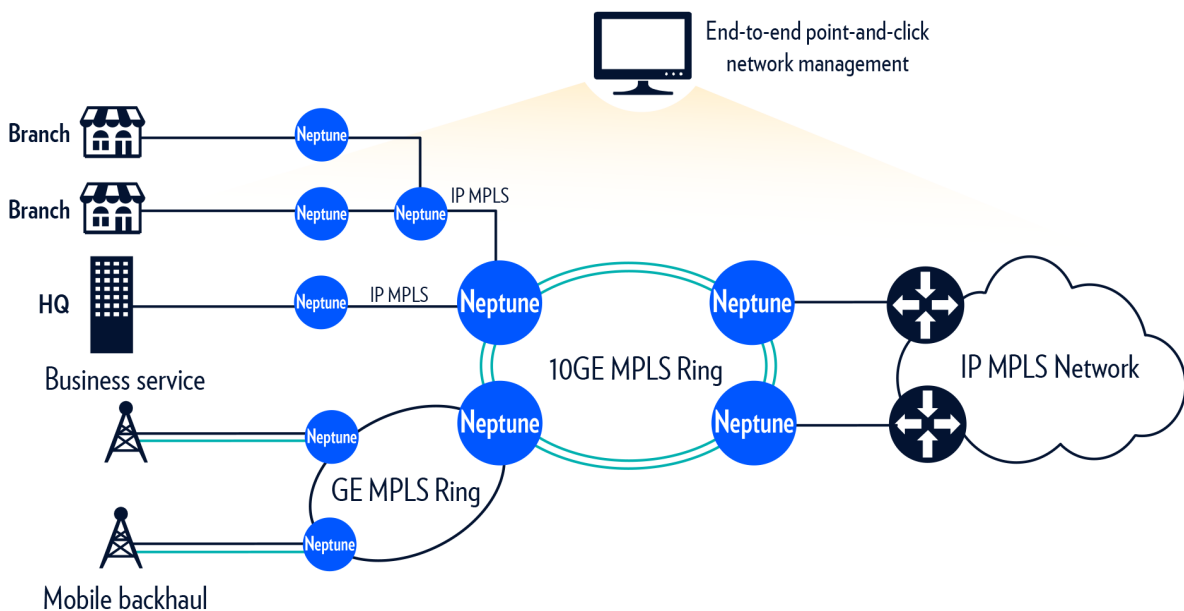
COMPACT CELL SITE ROUTER AND IP/MPLS L3 CPE

NPT-1011, the recent addition to ECI's Neptune (NPT) product line, is optimized for customer premise and service provider demarcation points, and for business and mobile backhauling services. Measuring just 1RU in height, NPT-1011 offers up to 6 Gbps in capacity, enabling smooth transition from TDM to packet by supporting both packet (Ethernet, IP/MPLS and L3) and TDM services, via CES. The Neptune product line streamlines end-to-end metro service delivery by combining carrier-grade service assurance, visibility, and control with packet efficiency and multiservice support. Neptune offers a powerful, flexible, and efficient E2E metro solution for high-performance services through convergence of Ethernet (MEF CE2.0 certified), MPLS-TP, IP/MPLS, OTN, WDM, and TDM. Neptune also supports NFV services and SDN applications, which are compulsory in today's challenging metro environment.



With a rich and robust feature set, NPT-1011 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-1011 is managed by the Muse™ software suite.

<p>Unmatched multiservice</p> <p>TDM, Ethernet, IP/MPLS, L3</p>	<p>Fully-managed CPE</p>	<p>Carrier-grade service assurance</p>	<p>Cost optimized</p> <p>compact and customized</p>
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Technical specifications

Packet	Switch: 5 Gbps Services: MEF CE2.0 (E-Line, E-LAN, E-Tree, E-Access) PN- and VPN-based Ethernet and IP, MPLS-TP Max. Interfaces: 8 x 10/100/1000BaseT with PoE+ 4 x 100/1000BaseT/X 4 x GPON ONU
TDM	Services: CES (SAToP, CESoP SN) Max. CES Interfaces: 8 x E1/T1
WDM	CWDM, DWDM
Timing and Synchronization	SyncE with ESMC, 1588v2, external timing 1PPS and TOD, internal stratum 3 clock (holdover state), primary and secondary sources (supports SSM bits), ACR, DCR, loop timing on SAToP, and SNTP
Protection and restoration	RSTP/MSTP, G.8032 Ethernet Ring Protection (ERP), MPLS-TP FRR, 1:1 Linear protection, PW Redundancy (PWR), multi segment-PW, IEEE 802.3ad Ethernet Link Aggregation(LAG) with LACP, Multi-chassis LAG (MC-LAG)
OAM	Ethernet OAM (IEEE802.3ah, IEEE 802.1ag and ITU-T Y.1731 PM), MPLS-TP OAM (G8113.2) (CC/AIS/RDI/LB/LT/DM), Bidirectional Forwarding Detection (BFD), RFC 2544 Generator, Y.1564 -Ethernet service activation (SLA)
Traffic management	Traffic classification (based on Port, VLAN, Port+VLAN, IEEE 802.1p and DSCP), diffserv based TM, network Connection Admission Control (CAC), 8 Classes of Service (CoS)
Topologies	Mesh, dual homing, multi-ring, ring, star, linear
Security	RADIUS (client authentication), SSH 2, SW integrity verification (SHA-2), SFTP, Access Control List (ACL), IEEE802.1x, control channel HMAC-256, public key authentication, port blocked as default
Management	LightSOFT® NMS, EMS-NPT, SNMPv2/v3, LCT, Muse™
Power over Ethernet (PoE+)	Up to 30W
Pluggable SFP support	Electrical, colored C/DWDM, non-colored bidirectional SFPs
Power input	-40 VDC to -72 VDC, 110 VAC to 230 VAC
Power dissipation	Typical: 30W
Operating temperature range	-40°C to +70°C (-40°F to 158°F)
Operating RH range	5% to 95%
Environmental standards	NEBS –GR-63 Core, GR-1089 Core, ETS 300 019-1-3 Class 3.3, ETS 300 019-2-3 Class 3.3, EN55022 radiation emissions (class A), IEEE 1613 (electric utility substations), IEC 61850-3 (electric utility substations), EN 61000-6-5 (Immunity for substations)
Safety	EN60950-1
EMC	EN 300 386
Physical dimensions	H x W x D: 1.7" x 8.8" x 10.4" / 44 x 223.5 x 263 mm

Specifications subject to change without notice

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



ECI Telecom Certified
Elite Partner;
System Integrator for
Germany and other
European Countries

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