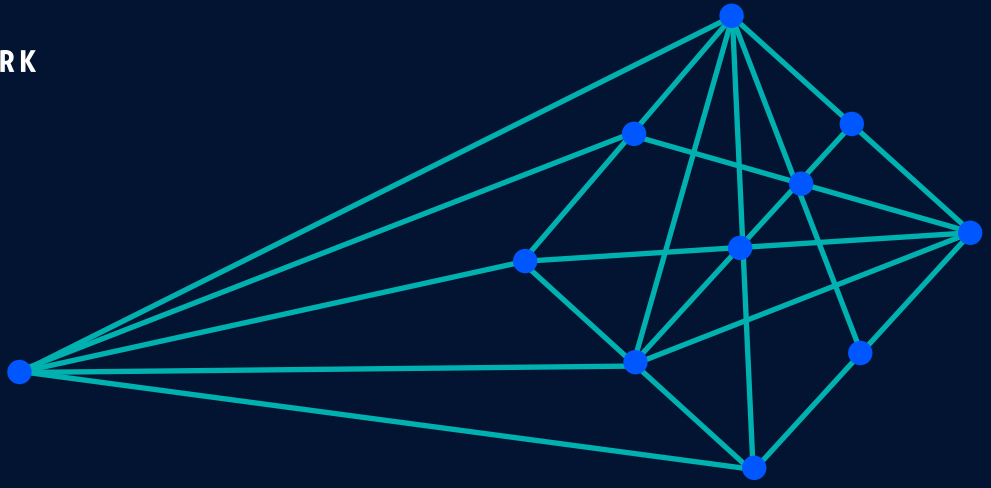


NEPTUNE NPT-1010D DIN-RAIL

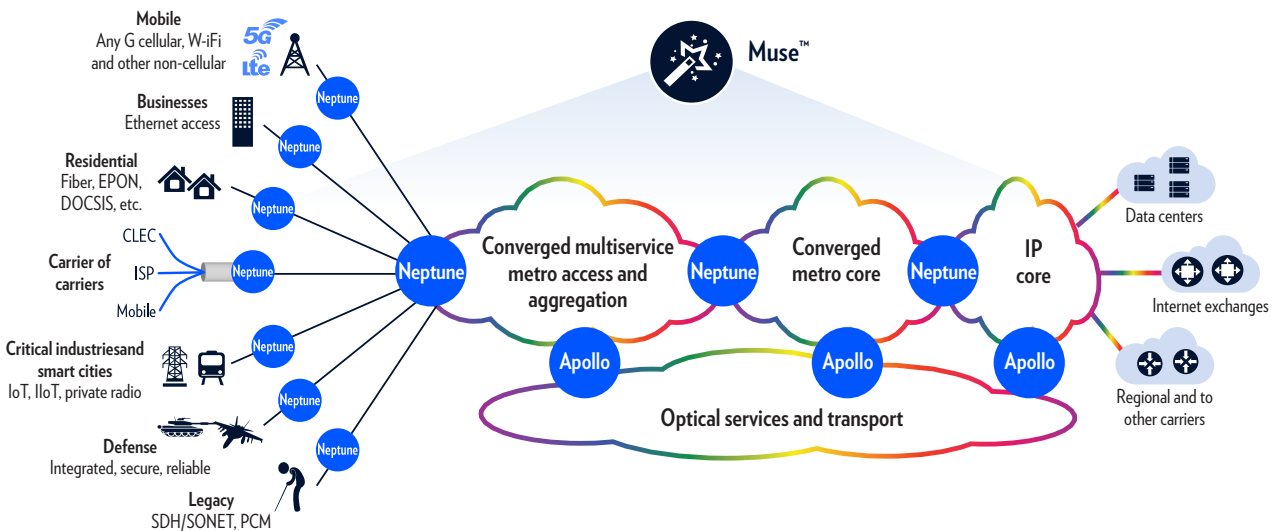
MANAGED PACKET TRANSPORT EDGE DEVICE



NPT-1010D is an extremely compact packet transport edge device. A member of ECI's Neptune (NPT) product line, NPT-1010D is optimized for remote locations with strict environmental and size requirements. NPT-1010D is a hardened DIN-rail switch, supporting Ethernet and MPLS-TP with up to 5 Gbps switching capacity. 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 end-to-end metro solution for high-performance services. It achieves this by convergence of Ethernet (MEF CE2.0 certified), MPLS-TP, OTN, and WDM. Neptune also provides NFV services and SDN applications, which are compulsory in today's challenging metro environment.



With such a rich and robust feature set, NPT-1010D is well suited for a wide variety of applications and networking scenarios. These include a gateway for mission-critical services, wholesale service delivery, and business VPN connectivity services. As with all of ECI's transport products, NPT-1010D is managed by ECI's Muse™ software suite.



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: 4 x 10/100/1000BaseT, 4 x 100/1000BaseT/X
WDM	CWDM, DWDM
Timing and Synchronization	SyncE with ESMC, 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 by default
Management	Muse™ software suite (SDN orchestration and control), LightSOFT® NMS, EMS-NPT, SNMPv2/v3, LCT, Muse Network and Service Apps
Pluggable SFP support	Electrical, non-colored, colored C/DWDM
Power input	-20VDC to -72VDC or +20VDC to +70VDC
Power dissipation	Typical: 30W
Operating temperature range	-25°C to +70°C (-4°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: 5.9" x 2.3" x 4.7" / 151 x 58.1 x 120 mm (DIN-rail compliant)

Specifications subject to change without notice

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

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