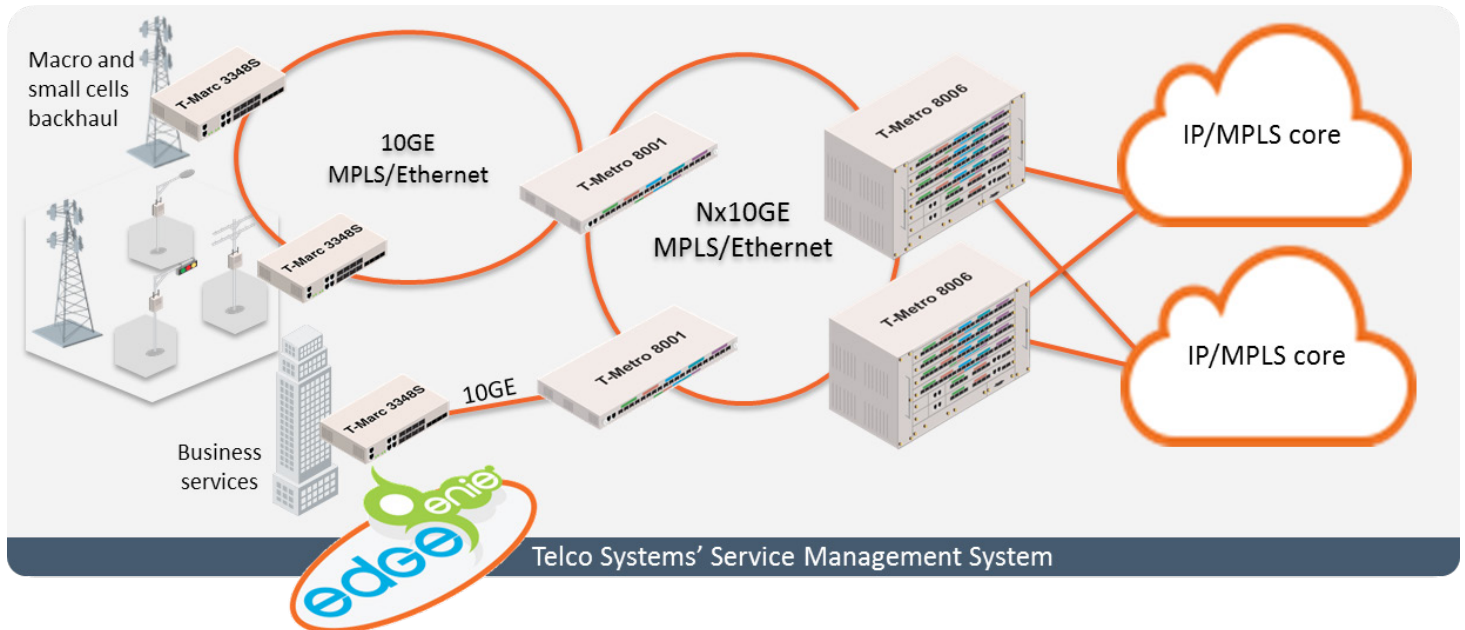


FUTURE-PROOF YOUR NETWORK WITH END-TO-END, ASSURED, HIGH BANDWIDTH SOLUTIONS



As the gap between service revenues and the demand for higher bandwidth grows, providers are looking for ways to better control their expenses while offering higher bandwidth and more services to more customers.

10GE solutions are driven deeper into the network to support a variety of applications such as:

- Mobile backhaul
 - Growing amount of LTE and LTE Advanced deployments require 400Mbps to 1Gbps per site, which demand more than 1GE when deployed in ring topologies
 - Small cell deployments, which in many cases consist of macro and small cells that require more than 1GE per cell site
 - Macro cells aggregating local and remote microwave connected base stations
 - Backhaul services for multiple mobile operators in one cell site
- High bandwidth applications that require high capacity, like data center connectivity, low latency financial transactions, 'big data' backup and content delivery networks (CDN), all of which require more than 1GE connectivity

- OAM aggregation – growing amount of OAM services throughout the network, with real time reporting to the client, requires products that support more services and are able to initiate and terminate a large amount of OAM tests
- SDH/SONET replacement – evolution of enterprise PDH/SONET legacy services to packet-based services, combined with the growing need of bandwidth for cloud connectivity and data applications, driving higher bandwidths
- Cloud-based services (SaaS, IaaS) driving the need for higher bandwidth in the access






Telco Systems enables service providers to offer their customers flexible, comprehensive, managed, end-to-end solution sets for differentiated, assured multi-service delivery, such as Ethernet business services, mobile backhaul, residential and cloud services. Telco Systems' products reduce total cost of ownership (TCO) by offering cutting-edge features balanced with cost optimized solutions. These solutions consist of Telco Systems' T-Marc demarcation product line, T-Metro service aggregation line and EdgeGenie service management system.

10GE TO THE EDGE SOLUTION SHEET

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KEY ADVANTAGES

- Future-proofing your network with Ethernet and MPLS transport on the same platforms with a 'no licensing' policy reduces the time and cost for network evolution
- MPLS to the edge increases scalability, improves traffic engineering, provides additional security and resiliency, and offloads expensive core resources
- True HQoS using bandwidth profiles with hierarchical scheduling, shaping, and policing assures the ability to offer a variety of services to meet customer needs
- Multiple resiliency mechanisms, such as xSTP, LAG, FRR, dual-homing, G.8031 and G.8032, meet sub-50ms restoration requirements
- Per service simultaneous OAM on all services and traffic flow – IEEE 802.3ah EFM and IEEE 802.1ag CFM to assure customer SLA and optimize network transport performance
- ITU.T Y-1731, ITU-T Y.1564 and RFC 2544 embedded testing capabilities for end-to-end testing per port/EVC/VLAN/COS
- Low latency with enhanced QoS mechanisms supports traffic engineering on a per customer/per service basis
- Low price per port
- High density in a compact device – rack space savings
- MEF CE 1.0 and CE 2.0 compliant for multi-vendor interoperability
- Service management simplifies service turn up, service configuration, and network optimization to increase NOC efficiency
- Low power consumption to save OPEX

DEMARICATION/ NID SOLUTIONS	
 <p>T-Marc 3348S 10GE Ethernet/MPLS Demarcation</p>	<p>The T-Marc 3348S 10GE Ethernet/MPLS demarcation device offers an all-in-one Ethernet/MPLS solution for mobile operators, mobile backhaul wholesalers, and service providers. Incorporating 52GE in a compact size, it offers one of the densest capacity demarcation devices in the industry, combined with enhanced OAM.</p>
 <p>T-Metro 7124S 10GE Pre-Aggregation and Demarcation</p>	<p>The T-Metro 7124S 10GE pre-aggregation and demarcation Ethernet/MPLS device provides a carrier grade and highly resilient solution, including dual-homing, FRR, G.8031, G.8032, and xSTP combined with extensive field-proven operations, administration and maintenance (OAM) support, including embedded RFC 2544 test head and Y.1564.</p>
SERVICE AGGREGATION SOLUTIONS	
 <p>T-Metro 8001 High Density 10GE Ethernet/MPLS Service Aggregation Platform and Cloud Gateway</p>	<p>T-Metro 8001 is a next generation 10GE service aggregation solution for mobile backhaul and Ethernet business services, offering a breakthrough in Carrier Ethernet and MPLS differentiated services without compromising control of capital and operational expenses. Providing industry-leading resiliency, assured SLA, OAM and scalability, enabling rapid introduction and creation of new services, and with 20x1/10GE ports, the T-Metro 8001 is the platform of choice to enable wide-scale Carrier Ethernet 2.0 adoption, implementation, and service creation.</p>
 <p>T-Metro 8006 High Density Ethernet/MPLS Service Aggregation Platform</p>	<p>Telco Systems' T-Metro 8006 is a next generation Ethernet/MPLS high density service aggregation platform that provides massive service scalability, carrier-class resiliency, and an industry-leading feature set. Based on open AdvancedTCA carrier grade industry standards, with almost 1T of bandwidth in a compact 6RU chassis, the T-Metro 8006 provides best-in-class throughput, densities, monitoring and resiliency.</p>
SERVICE MANAGEMENT	
 <p>EdgeGenie Service Management Platform</p>	<p>Telco Systems' EdgeGenie service management system offers a complete solution for the full life cycle of network deployment, from planning to managing, monitoring and maintaining Ethernet services. It offers network and service management, resource management and optimization, network planning, and real-time SLA monitoring and statistics through the customer portal.</p>



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