



Intelligent Service Delivery >





the network **you** need.

The optical network edge—where services connect users—must scale rapidly to address exponential bandwidth increases. Business environments leveraging consolidated data centers and virtualization services require high-capacity, IP-based solutions for communications and information delivery to a distributed workforce. Our on-demand, online, video-oriented, mobile, and connected lifestyles require extensive information access and sharing capabilities to keep us in touch. Next-generation personal and business communications are driving new approaches to service delivery networks.

BTI Systems Intelligent Service Edge solutions enable high-capacity wavelength and packet-based delivery of video, storage, wired data, wireless data and voice, and media where and when it's needed. Comprehensive packet optical capabilities leveraging innovative technology and modular platforms allow BTI Systems to address a diverse range of applications within metro access, metro, and regional network environments. BTI Systems solutions provide the means for network operators to affordably increase service network capacity on demand and cost effectively.

Multiservice platforms to address diverse applications & requirements
Layer 0/1/2 integration for efficient packet optical networking
Modular and scalable approach for optimized network capacity
Service-oriented with extensive performance visibility and high availability
Operational value: high density, low power, and outside plant capable





Multiservice Networking Platform

BTI 7000 Series next generation platform family provides L0/L1/L2 convergence with integrated Carrier Ethernet and WDM functionality. A modular architecture provides low first-in cost, and allows the system to scale up to 40 wavelengths (400 Gbps) and be configured with a portfolio of network building blocks to address optical and Ethernet service delivery, network convergence, reach extension, and fiber network adaptation requirements.

Key Features

packetVX provides an integrated, fully featured Carrier Ethernet switching and aggregation solution converged with high-capacity, 10GbE, OTN-capable, WDM networking

Optical client service modules provide dynamic, multiprotocol private line (transponder based) and sub-wavelength aggregation (muxponder based) service delivery from 100M–10Gbps

WDM “virtual fiber” expands a single fiber pair’s capacity up to 400 Gbps. BTI Systems offers 40λ Dense WDM and 16λ Coarse WDM systems—both capable of carrying 10G λs

SFP/XFP client and line side optics provide client service delivery, simplified sparing and provisioning within CWDM and DWDM networks

Optical networking modules offer custom-fit capacity, simplified adaption to physical fiber plants, and integrated reach-extension capabilities for metro/regional applications

Carrier Ethernet Access

BTI 700 Series Ethernet Access Device portfolio offers intelligent demarcation, extension, and aggregation for simplified distribution of Ethernet and IP-based services. The BTI 700 Series are robust, carrier-grade platforms offering comprehensive SLA enforcement capabilities, with extensive service metrics, policing and metering, plus OAM features for performance monitoring, network and service visibility, remote fault diagnosis, and service verification.

Key Features

MEF Certified Carrier Ethernet platforms for increased service scalability, simplified demarcation, and SLA enforcement for Ethernet Business Services delivery

Address single-tenant and multitenant unit deployments, with a portfolio offering GbE and 10GbE uplinks with 10/100/1000 combo client ports

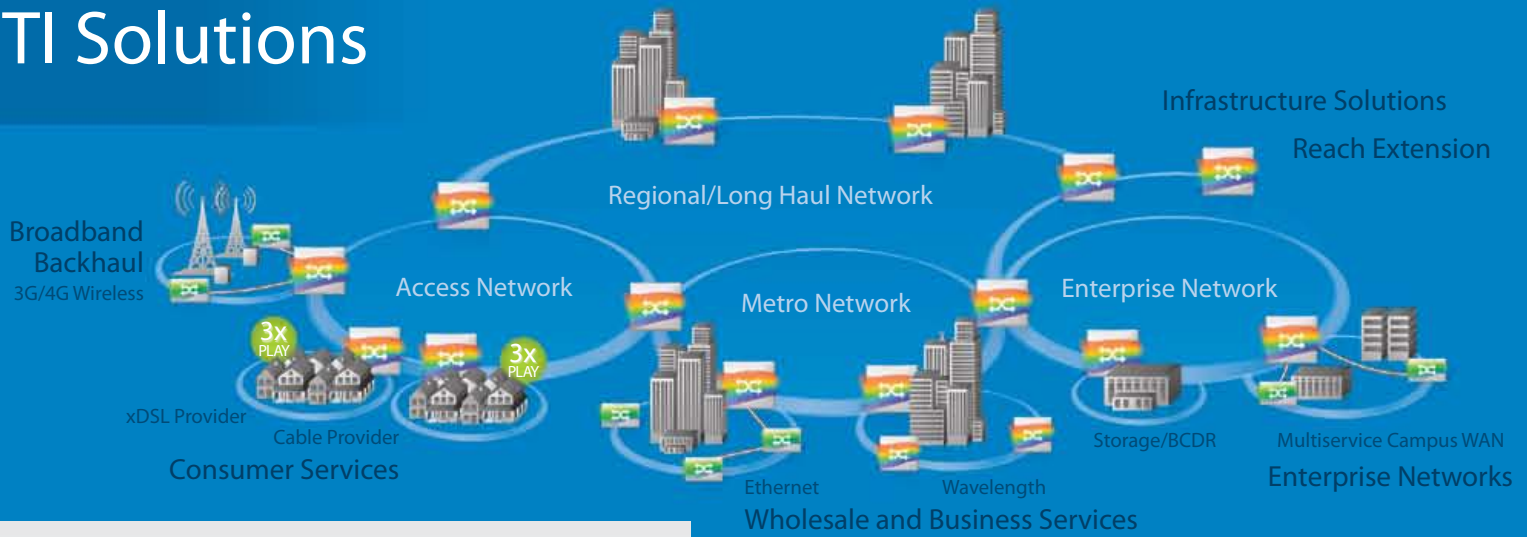
End-to-end service visibility with standardized Connectivity Fault Management (CFM), Ethernet in the First Mile (EFM), plus Optical and Ethernet performance monitoring

Simplified deployment with compact, extended temperature platforms that offer AC and DC power options

Tightly integrated with the BTI 7000 Series to leverage its packet optical networking capabilities and extend service delivery infrastructures across metro and regional footprints



BTI Solutions



Comprehensive Network Management

proNX™ delivers service-, element-, and network-level monitoring, control, provisioning, and planning across the BTI Systems portfolio. The modular management suite approach provides complete FCAPS, OSS integration, and local craft components to simplify service layer and optical layer management, complemented with strategic network and service planning capabilities and link engineering tools.

Key Features

Secure and flexible end-to-end management of networks built using BTI Systems packet optical and Carrier Ethernet access platform elements

Comprehensive nodal and network management delivered through intuitive, easy-to-use Graphical User Interfaces (GUIs)

Service-oriented approach provides topology discovery, automated service activation and provisioning, and customer database affiliation for rapid response to service requests

Simplified completion of network-wide software upgrades, database backup, restoration procedures, and inventory control

Network planning and link engineering capabilities facilitate strategic scenario planning and expedite network deployments with validated network plans



Intelligent convergence with WDM + Carrier Ethernet

Eliminate single-application networks

Layer 1 and Layer 2 service delivery

Deliver a comprehensive portfolio offering

CWDM and DWDM virtual fiber

Expand the capacity of existing fiber plants

Comprehensive network and service management

Plan, engineer, provision, and monitor



Solutions for **tomorrow's** networks

BTI Systems is focused on multiservice platforms that address a diverse set of requirements with Layer 0/1/2 integration for efficient packet optical networking.

Service-oriented network management with extensive performance visibility simplifies application and information delivery. BTI Systems network solutions combine a full suite of network building blocks to support multiprotocol optical and packet connectivity, integration of legacy network solu-

tions, and extended reach, satisfying diverse network requirements.

Over 350 customers leverage BTI Systems solutions that provide greater transport capacity, dynamic packet optical networking, and management simplicity. BTI Systems delivers significant operational value and a scalable approach to service provider, utility, and enterprise networking.

Switch | Aggregate | Connect | Extend | Converge

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Corporate Headquarters
European Headquarters
Regional Offices - Boston
Regional Offices - Shanghai

1000 Innovation Drive, Suite 200, Kanata, Ontario, Canada, K2K 3E7
+44 (0) 28.9082.1000 | 5th floor, Montgomery House, 29-31 Montgomery Street, Belfast, UK, BT1 4NX
+1 508.229.2999 | 201 Boston Post Road West, Suite 100, Marlborough, MA, USA 01752
+86 (0) 21.2211-9665 | Regus Shanghai Mart Centre, Rm242, 2nd floor, Office Building
Shanghai Mart Tower, No. 2299, Yan An West Road, Chang Ning District, Shanghai, P.R.China 200336

www.btisystems.com | info@btisystems.com | sales@btisystems.com | 866.626.9154 | 613.287.1700