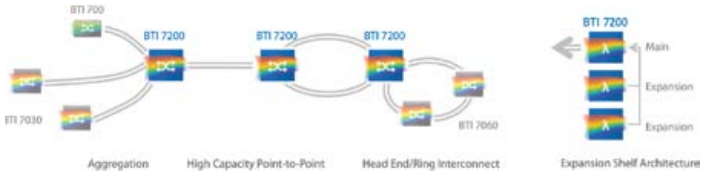
BTI 7200 Platform

BTI 7000 Family

The BTI 7200 is a carrier-grade, robust networking platform designed to address high capacity network applications. Purpose-built for consolidation of packet optical service delivery, Wavelength Division Multiplexing (WDM), and photonic layer building blocks, the 7200 platform provides high density network solutions and seamless interworking capabilities.

Multi-Function, Multi-Service, Multi-Application

The BTI 7200 packet optical provisioning platform provides a very dense service delivery capability. The 7200 supports all active and passive modules within the BTI 7000 Series portfolio, providing carrier-grade, high availability power, cooling, and network management communications functionality. Seamlessly interworking with all BTI 7000 Series platforms and BTI 700 Series Ethernet Access Devices through BTI's proNX Management Suite, the BTI 7200 delivers end-to-end packet optical networking solutions to address campus, metro, and regional long haul applications.



Features

High Density Packet Optical

The BTI 7200 provides industry leading density, supporting up to 380Gbps of 10G private line capacity, over 100 GbE and 18 10GbE Carrier Ethernet switched ports, or a combination of optical and packet service modules, in a 7 Rack Unit (RU) form factor. The BTI 7200 is purpose-built for high capacity point-to-point terminals, hub and ring interconnect, and aggregation applications

Flexible Shelf Architecture

The platform offers modular utility for service connectivity and infrastructure applications. The any-slot-any module architecture enables provisioning and deployment of photonic, wavelength and packet layer network modules to address diverse networking requirements and applications in a configuration that best fits your operational model

Expansion Capabilities

The BTI 7200's expansion shelf architecture, enables deployment of up to two additional 7200 shelves, providing a total of 59 service slots, managed as a single network entity through the BTI 7200 main shelf. Designed to address high density 10G private line solutions and supporting BTI's full line of 10G multiprotocol transponders in addition to reach extension and network multiplexing modules, in a less than a half-bay, 21RU form factor (See back)

Common Management and Control

The BTI 7200 uses the same System Control Processor (SCP), Cooling Units (CU), runs the same software load as the BTI 7060, and are managed with the same proNX management software as the entire BTI packet optical and Ethernet Access Device portfolio, providing a consistent operational model, common software releases, and minimized sparing costs

Common Equipment

The BTI 7200 packet optical provisioning platform provides carrier-grade, high availability power, cooling, and client service module and network management communications

System Control Processor (SCP) — controls the operation of the platform, provides external communications for craft access, and Small Form-factor Pluggable (SFP) ports for Optical Supervisory Channel (OSC) and expansion shelf architecture communications

Main Shelf Interface (MSI) — provides alarm and shelf status indicators, an IP addressable Ethernet interface to the management LAN, as well as a 26-pin connector for housekeeping alarms

Common Communication Module (CCM) — provides system communication to the client service and reach extension modules and acts as the primary interface of expansion shelves back to the main shelf within an expansion shelf architecture

Cooling Unit (CU) — consists of two independent, multispeed fans which can support extended temperature and are hot swappable

Power — provides integrated, front or rear mounted, redundant -48VDC feeds

System Control Processor (SCP)

Common Communication Module (CCM)

Main Shelf Interface (MSI)

Cooling Unit (CU)

Technical Specifications

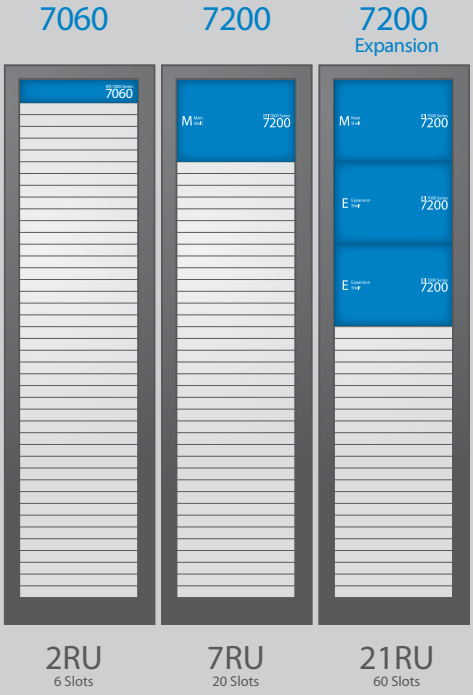
Platforms Technical Specifications

Variants	BT7A51AA BT7A51AR (w/ rear -48V access)
Module Slots	20
Module Support	Active/Passive
Dimensions (HxWxD) (mm)	311.1 x 439.5 x 280 (without cover) 311.1 x 439.5 x 305 (with cover)
Weight (empty)	9.1 kg
Extended Temperature	-5˚C to +50˚C
Environmental and Safety Certifications	Telcordia NEBS Level 3, Earthquake Zone 4, GR-63-CORE, GR-78-CORE, FCC Part 15 Class A, GR-1089-CORE, IEC/UL/CSA 60950, IEC 60825

Commons Technical Specifications

SCP	PEC Code	BT7A20CA
	Module Size	Single Slot
MSI	PEC Code	BT7A53EA
	Module Location	Dedicated slot
CCM	PEC Code	BT7A54EA
	Module Location	Dedicated slot
Cooling Unit	PEC Code	BT7A52EA
	Module Location	Dedicated slot

Compact Footprint



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