TELEDYNE LECROY
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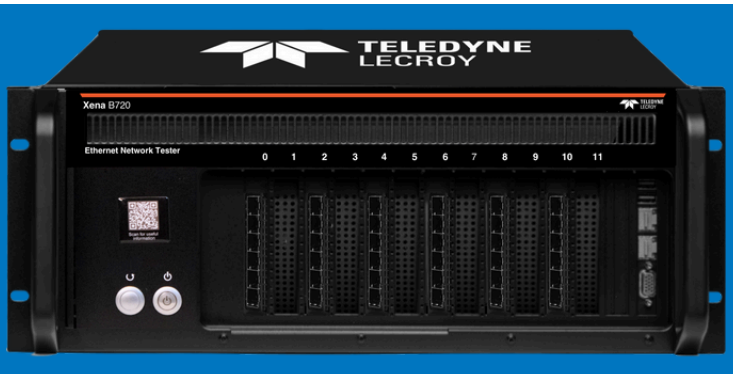
Xena B720/2400

4U 12-slot modular Ethernet Traffic Generator and Emulator chassis



Key Features

- 12-slot 4U ensures high density
- Price/performance
- Ease of use
- Advanced architecture
- Free software (incl. Xena Manager GUI, XOA CLI, Xena2544, Xena1564 and Xena2889)

Find out more here:

The Xena B720/2400 test chassis offer high density and low power consumption per test port making it ideal for providers of Ethernet-based network devices and services looking for ease-of-use, cost efficiency, interoperability, and scalability.

There are 2 versions of this chassis: the standard B720 and the high-performance B2400. The B2400G is required for the following test modules: Z800 Freya, Z400 Thor, Z100 Loki, and the E100 Chimera modules.

Both versions of this 4U chassis have 12 slots for Xena's copper and optical Ethernet modules from 10Mbps up to to 800Gbps. The 10/40/100-GigE interfaces include optical QSFP+, SFP+, XFP, SR4, LR4, and SR10. The GigE interfaces include copper 10/100/1000M Ethernet and optical 100/1000M Ethernet.

The high precision, stream based, wire-speed traffic generation and analysis capabilities make it ideal for testing network devices under deliberate error, stress, and random conditions. Packet formats can be defined per individual packet byte, and packet spacing, transmission rates, and bursts can be defined with byte and kbps accuracy.

Network equipment manufacturers and service providers can demonstrate end-user triple play QoE is guaranteed during network congestion, by generating traffic loads representing tens of thousands of individual network users.

Extensive software included
Included free with every B720/2400 is XenaManager for ad-hoc test execution and remote management of test equipment located in multiple locations. Also included are standalone apps for testing RFC2544, RFC2889, RFC 3918, and Y.1564.

Finally, there is a comprehensive range of test automation and scripting options. Xena OpenAutomation (XOA) is an open-source test automation framework for use with all Xena solutions. Fast, easy to use and extremely flexible, XOA features a Python API that runs on any OS. You can use XOA in whichever way suits your test needs.
Also included is XOA CLI which is an open TCP/IP based text API that lets users automate testing from any software environment, using Tcl, Python, Perl, VBA, Ruby, BASH and Java wrappers to convert to/from the generic Xena Command Line Interface (CLI) format.

HW SPECIFICATIONS	
Dimensions & Weight	• W: 19” (48.3 cm) • H: 7” (17.7 cm) / 4 rack unit (RU) high • D: 19.5” (49.5 cm) • Weight: 36.4 lbs (14.5 kg) (B720) • Weight: 39.0 lbs (17.8 kg) (B2400)
Max noise	Xena B720: 54 dBa Xena B2400: 65 dBa
Environmental	Storage Temperature: -40 to 70º C Operating Temperature: 10 to 30º C Humidity: 8% to 90% non-condensing
Power	• AC Voltage: 100-240V • Frequency: 50-60Hz • Max. (B720): 1200W (220V AC), 1000W (110V AC) & Typical: 800W • Max. (B2400): 2200W & Typical: 1400W
Regulatory	• FCC (US), CE (Europe)

The XenaBay offers ultimate configuration options making it possible to deploy a wide range of test module configurations in the same XenaBay chassis. In the B720 chassis users can make configurations ranging from 10Mbps to 10Gbps with modules from the Odin series. In the B2400 users has the ultimate flexibility, making it possible to make configurations ranging from 10Mbps to 800Gbps utilizing all available modules from the Xena product series. Both XenaBay's have 12 available slots for test modules, and each module type occupies the following slots in the chassis':

- Z800 Freya 3 slots (2 slot module)
- Z400 Thor 3 slots (2 slot module + 1 slot for mandatory airflow guide)
- Z100 Loki 1 slot module (max. configuration is 9 modules, in blocks of max. 3 modules).
- E100 Chimera 1 slot module (max. configuration is 9 modules, in blocks of max. 3 modules).
- Z10 Odin 1 slot module

Example: 1 x Z800 Freya (2 slots) + 1 x Z400 Thor (3 slots) + 3 x Z100 Loki (3x1 Slots) + 4 x Z10 Odin (3x1Slot)

For ultimate utilization of slots in the B2400, consider where multi-slot modules are installed.

Ordering Information

Product Description	Product Code
• B720 chassis with 12 modular slots and management unit controller (For test modules up to 10GE)	Val-C12-720G
• B2400 chassis with 12 modular slots and management unit controller (for all test modules)	Val-C12-2400G

License and accessory option

• 20" Rail for rack mounting XenaBay chassis.	Val-Bay-Rail
Timing:	
• GPS receiver with SMA connector for GPS/GNSS antenna signal input. Requires Val-Bay-TK-Client/Server-12 license.	Val-Bay-GPS
• XenaTimeSynch 12-month SW license for Client synchronization of chassis to a PTP/NTP/GPS ref. clock. (Used for Stand-alone GPS sync and as Sync Clients for Sync Server chassis)	Val-Bay-TK-Client-12
• XenaTimeSynch 12-month SW license for Server/Client synchronization of chassis to a PTP/NTP/GPS ref. clock. (Used for multi Chassis GPS sync, as Server for Clients)	Val-Bay-TK-Server-12