BigTao V series network tester

BigTao-V series launched by Xinertel is for R&D test of routers, switches and network forwarding equipment. It supports any combination of test modules with multiple-rate from 10M to 800G, and can provide TSN protocol test solutions for automotive Ethernet and industrial Ethernet with TSN test module.

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Product Introduction

The BigTao-V series network tester features modular design and consist of chassis, test modules, and test software. Portable handles are added on the side of the BigTao220 chassis with two slots to meet the needs of field testing. And the professional noise reduction technology is used to allow testing in the office. The design adopts environmental protection and energy saving technology,which can effectively reduce the long-term test cost.

With the new generation of test software RENIX and ALPS based on the PCT architecture, BigTao-V series supports L2-7 traffic test and protocol simulation for network devices and network systems, providing comprehensive test solutions in terms of functionality, performance, and security to meet the testing needs in the process of research and development, experimentation, and quality control.

BigTao220

The BigTao220 portable chassis is a new generation tester launched by the Xinertel. It adopts modular design, provides 2 slots, and supports any combination of test modules with multiple rates from 10M to 800G.

The BigTao220 is portable Chassis with a handle on the side, which can meet the needs of field testing. Additionally, it adopts professional noise reduction technology, allowing it to be used in the office for testing. The design incorporates environmentally friendly and energy-saving technologies, effectively reducing the cost of long-term network testing.

With the new generation of test software Renix and ALPS based on the PCT architecture of Xinertel and the V series test modules, BigTao220 can perform L2-7 traffic test and protocol simulation for network devices and network systems, providing a rich test solution in terms of function, performance, and security, meeting the test needs in the process of research and development, experimentation, and quality control.

Key features

- Supports 10M~800G test modules
- Highly portable, low power consumption, and low noise
- Supports multiple ways of management IP modification
- Supports software download from chassis based on Web browser
- Supports both Chinese and English software platforms and test reports
- Tcl and Python API for automated testing

Portable

Specifications

Slot	2 slots
Dimensions (WxDxH)	340mm x 400mm x 95mm
Weight	Empty cabinet: about 6.6kg Fully loaded with test modules : about 9.2kg
Maximum power Supply	200W
Switch/Display	· AC power switch · Power，Fan, Temp, Link LED，16*02 LCD · Reset button of the main control of the chassis · LCD control button of the chassis
I/O	· 1 DB15 display interface · 1 RJ45 10/100/1000M management interface · 1 RJ45 RS232 serial port · 1 SYNC-OUT, 1 SYNC-IN chassis cascade interface · 1 DB9 GPS RS232 serial port · 1 PPS, 1 10MHz input BNC · 2 USB Type A interfaces
Temperature	Working : 0° C to 35° C Storage : -40° C to 70° C
Humidity	Working: 20% to 85% Storage: 20% to 85%
Chassis power supply	1 x 110VAC/220VAC 50/60Hz @3A single-phase power input
Noise	The noise of the entire machine operating at full capacity is less than or equal to 65dba
Operating system	CentOS7.X , 64bit
Network management	· IPv4 management network · Support panel button to modify IP address · Support SSH to modify IP, query status · Support monitor and keyboard to modify IP address · Support to download client software from chassis using web browser, and modify IP address · Support License management and hardware management through client software
Client software	RENIX, ALPS
Client system requirements	System: Microsoft Windows 7/ Windows 10/Windows Server 2012 R2 Standard Edition CPU: i3-6100 CPU @ 3.70GHz or higher Memory: 4 GB and above
Test module support	V6000 test module, V8000 test module, V2-10G test module, V2-100G test module, V2-400G test module, TSN test module, V2-APP test module

BigTao6200

The BigTao220 rack-mounted chassis is a new generation tester launched by the Xinertel. It adopts modular design, provides 6 slots, and supports any combination of test modules with multiple rates from 10M to 800G.

The BigTao6200 rack-mounted chassis has an efficient hardware architecture and adopts professional fan/noise control and energy-saving technology. While providing high-efficiency operation, it can effectively reduce noise and power consumption, saving costs for enterprises. The BigTao6200 chassis can not only run all existing V2 series test modules, but is also compatible with all previous V series test modules, providing effective protection for customers' assets.

With the new generation of test software Renix and ALPS based on the PCT architecture of Xinertel and the V series test modules, BigTao6200 can perform L2-7 traffic test and protocol simulation for network devices and network systems, providing a rich test solution in terms of function, performance, and security, meeting the test needs in the process of research and development, experimentation, and quality control.

▌Key features

- Supports 10M~800G test modules
- High port density, high Integration
- Supports multiple methods for modifying management IP
- Supports software download from chassis based on Web browser
- Supports both Chinese and English software platforms and test reports
- Tcl and Python API for automated testing

High Density

Specifications

Slot	6 slots
Dimensions (WxDxH)	446mm x 413mm x 132mm
Weight	Empty cabinet: about 12.5kg Fully loaded with test modules : about 20kg
Maximum power Supply	600W
Switch/Display	· AC power switch · Power, Fan, Temp, Link LED，16*02 LCD · Reset button of the main control of the chassis · LCD control button of the chassis
I/O	· 1 DB15 display interface · 1 RJ45 10/100/1000M management interface · 1 RJ45 RS232 serial port · 1 SYNC-OUT, 1 SYNC-IN chassis cascade interface · 1 DB9 GPS RS232 serial port · 1 PPS, 1 10MHz input BNC · 2 USB Type A interfaces
Temperature	Working : 0° C to 35° C Storage : -40° C to 70° C
Humidity	Working: 20% to 85% Storage: 20% to 85%
Chassis power supply	1 x 110VAC/220VAC 50/60Hz @3A single-phase power input
Noise	The noise of the entire machine operating at full capacity is less than or equal to 65dba
Operating system	CentOS7.X , 64bit
Network management	· IPv4 management network · Support panel button to modify IP address · Support SSH to modify IP, query status · Support monitor and keyboard to modify IP address · Support to download client software from chassis using web browser, and modify IP address · Support License management and hardware management through client software
Client software	RENIX, ALPS
Client system requirements	System: Microsoft Windows 7/ Windows 10/Windows Server 2012 R2 Standard Edition CPU: i3-6100 CPU @ 3.70GHz or higher Memory: 4 GB and above
Test module support	V6000 test module, V8000 test module, V2-10G test module, V2-100G test module, V2-400G test module, TSN test module, V2-APP test module

BigTao 1000

The BigTao 1000 chassis is a portable chassis that supports Xinertel's new generation 800G multi-rate test module. With built-in LCD screen, intelligent power supplies, fan control, and fast firmware upgrades, BigTao 1000 reduces the costs of network equipment effectively.

With the new generation of test software RENIX based on the PCT architecture, BigTao 1000 supports L2-3 traffic test and protocol simulation for network devices and network systems, providing comprehensive test solutions in terms of functionality, performance, and security to meet the testing needs in the process of research and development, experimentation, and quality control.

Key features

- A unified platform for high-performance L2-7 test, supporting large-scale routing and switch protocol simulation and application test
- Support 800G/400G/200G/100G
- 2.5U height, strong portability
- Support for multiple chassis cascades of daisy chains for easy expansion for large-scale test
- Supports multiple management IP modification methods
- No need to learn new GUI of software
- Support to download client software based on web browsers
- Support API interface for Renix and supports TCL automated test

Ordering information

Product Name	Product Description	Product Classification
BigTao 1000 chassis	BigTao 1000 2-slot chassis	BigTao 1000 Chassis
V2-800G-2M-S test module	2-port, 800G test module	BigTao 1000 Chassis test module

▋Specifications

Slot	2 slots
Dimensions (WxDxH)	390mm× 113mm× 420mm
Weight	Chassis only : about 10.5kg; Chassis with 2 test modules: about 15kg
Switch/Display	• Rear AC power supply • Power, Fan, Temp, Link LED indicator, LCD • Reset button of the main control of the chassis • LCD control button of the chassis
I/O	• 1 HDMI display interface • 1 RJ45 10/100/1000M management interface • 1 SYNC-OUT, 1 SYNC-IN chassis cascade interface • 1 RJ45 GPS RS232 serial port • 1 PPS input BNC • 2 USB Type A interfaces
Temperature	Storage: -40° C to 70° C
Humidity	Working : 20% to 85%,; Storage : 20% to 85%
Chassis power supply	1 x 110V AC/220V AC 50/60Hz @10A single-phase power input
Noise	The noise of the complete machine is ≤ 69dba at typical speed and ≤ 85dba at full speed
Operating system	CentOS6.7 and above, 64bit
Network management	• IPv4 management network; support panel button to modify IP address and query status • Support Telnet/SSH terminal to modify IP and query status • Support external display and keyboard to modify IP and query status • Support web page download client, modify IP, query status • Support License management and hardware management through client software