DarYu 12000

The DarYu12000 is a rack-mount chassis which supports Xinetel's new generation of 1G to 400G multi-rate test modules. With built-in LCD screen, intelligent power supplies, fan control, and fast firmware upgrades, DarYu3000 reduces the costs of network equipment effectively.

With the new generation of test software RENIX and X series test modules, DarYu 12000 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.

Key Features

- A unified platform for high-performance L2-7 test, supporting large-scale routing and switch protocol simulation and application test
- Ultra-high performance 12-slot chassis, support up to 48*100GE ports
- Support 400G/100G/40G/25G/10G/5G/2.5G/GE
- Modular design, power supply and fan can be replaced on site
- Support for multiple chassis cascades of daisy chains for easy expansion for large-scale test
- Support hot swap of test module
- Support multiple management IP modification methods
- Support to download client software via web browsers
- Support API for Renix and Tcl and Python

Ordering information

Product Name	Product Description	Product classification
DarYu 12000 chassis	DarYu 12000 12 slot chassis, including main control module(running Linux CentOS system), power module, fan module, power cord	DarYu series chassis
DarYu 12000 main control module	DarYu 12000 main control module(running Linux CentOS system)	DarYu 12000 chassis accessories
DarYu 12000 power module	DarYu 12000 110V AC/220V AC power module	DarYu 12000 chassis accessories
DarYu 12000 fan module	DarYu 12000 fan module	DarYu 12000 chassis accessories
DarYu 12000 clock module	DarYu 12000 clock module	DarYu 12000 chassis accessories

Specifications

Slot	12
Dimensions (WxDxH)	485mm x 620mm x 860mm
Weight	Chassis only: about 93.6kg Chassis with 12 test modules: about 191.9kg
Chassis power supply	The empty chassis power is 650W, and the maximum power with 4 power modules is 12000W, 24000W with 8 power modules
Switch/display	• Rear AC power supply • Power, Fan, Temp, Link LED indicator, LCD • Reset buttonof the chassis LCD control button of the chassis
I/O	1 DB15 display interface 1 RJ45 10/100/1000M management interface 1 RJ45 10/100/1000M 1588 clock input interface(reserved) 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
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	8 x 110V AC/220V AC 50/60Hz @ 16A single-phase power input
Operating system	CentOS 7.X, 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
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 and above • Memory: 4 GB and above
Supported test modules	X2-400G-2QDD test module, X2-100G-4QSFP28 test module, X2-100G-2QSFP28 test module, X2-100G-12QSFP28-Q test module, X2-10G-16C-HQ test module, X2-10G-8C-HQ test module, X2-10G-16F-HD test module, X2-10G-8F-HD test module, U2-100G-2QSFP28-HQ test module, U2-10G-8F-HD test module