

DarYu series high performance network tester

With high performance, high density, high speed, and multiple chassis cascading, DarYu series launched by Xinertel are designed for high end routers, high end switches, data center switches, and high performance security devices test.



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Product Introduction

The DarYu series high-performance network tester features modular design and consists of chassis, test modules, and test software. The test port covers a variety of ethernet speeds from 1G to 800G and offers the scalable expansion capabilities, enabling users to easily cope with the rapid growth of test business and future business development.

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

DarYu 3000



The DarYu3000 is a rack-mount chassis which supports Xinetel's new generation of 1G to 800G 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&ALPS and X series test modules, DarYu 3000 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 requirements 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 3-slot chassis
- Support 800G/ 400G/100G/50G/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 3000 chassis | DarYu 3000 3-slot chassis, including a main control module (running Linux CentOS system), a clock module, a power module, a fan module, and power cords | DarYu series chassis |
| DarYu 3000 main control module | DarYu 3000 main control module(running Linux CentOS system) | DarYu 3000 chassis accessories |
| DarYu 3000 power module | DarYu 3000 110V AC/220V AC power module | DarYu 3000 chassis accessories |
| DarYu 3000 fan module | DarYu 3000 Fan Module | DarYu 3000 chassis accessories |
| DarYu 3000 clock module | DarYu 3000 clock module | DarYu 3000 chassis accessories |

Specifications

| | |
|----------------------------|--|
| Slot | 3 |
| Dimensions (WxDxH) | 482.6mm x 178mm x 686mm |
| Weight | Chassis only: about 33.6kg Chassis with 3 test modules: about 58.2kg |
| Chassis power supply | The empty chassis power is 300W, and the maximum power fully loaded with test modules is 3300W |
| Switch/Display | <ul style="list-style-type: none"> • Rear AC power supply • Power, Fan, Temp, Link LED indicator, LCD • Reset button of 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 | 4*110V AC/220V AC 50/60Hz @10A single-phase power input |
| Operating system | CentOS 7.X, 64bit |
| Network management | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | X2-800G-2QDD-HD test module, 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 |

DarYu 12000



The DarYu12000 is a rack-mount chassis which supports Xinetel's new generation of 1G to 800G 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&ALPS 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 800G/400G/100G/50G/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

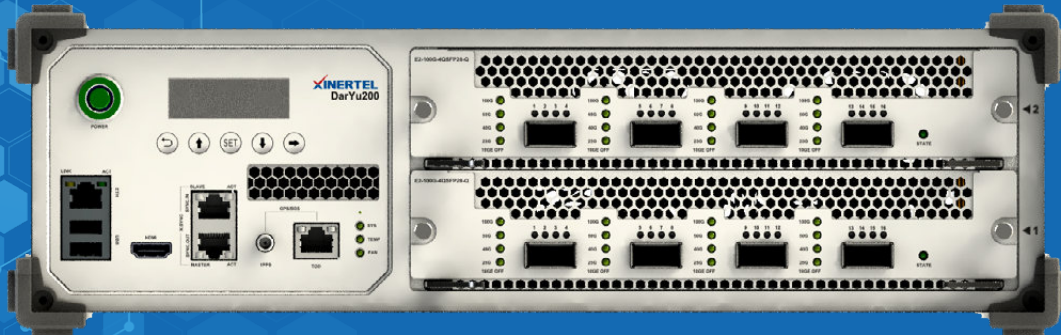
Ordering information

| 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 | <ul style="list-style-type: none"> • Rear AC power supply • Power, Fan, Temp, Link LED indicator, LCD • Reset button of 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | X2-800G-2QDD-HD test module, 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 |

DarYu200



The DarYu200 is a portable chassis which supports Xinetel's new generation of 10G to 400G multi-rate test modules. With built-in LCD screen, intelligent power supplies, fan control, and fast firmware upgrades, DarYu200 reduces the costs of network equipment effectively.

With the new generation of test software RENIX&ALPS and X series test modules, DarYu200 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(E2 series test module supports L2-3 test, E3 series test module supports L4-7 test)
- Supports 400G/200G/100G/50G/40G/25G/10G
- 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
- Support to download client software via web browsers
- Support API for Renix and Tcl and Python

Ordering information

| Product Name | Product Description | Product classification |
|-------------------|--|------------------------------|
| DarYu200 chassis | DarYu200 2-slot chassis | DarYu200 Chassis |
| E2-100G-4QSFP28-Q | 4-port, 5-speed 100G/50G/40G/25G/10G test module | DarYu200 Chassis test module |
| E2-400G-2QDD-Q | 2-port, 4-speed 400G/200G/100G/50G test module | DarYu200 Chassis test module |

Specifications

| | |
|----------------------|--|
| Slot | 2 slots |
| Dimensions (WxDxH) | 390mm x 113mm x 420mm |
| Weight | Chassis only: about 10.5kg Chassis with 2 test modules: about 15kg |
| Switch/Display | <ul style="list-style-type: none"> • Rear AC power supply • Power, Fan, Temp, Link LED indicator, LCD • Reset button of the chassis • LCD control button of the chassis |
| I/O | <ul style="list-style-type: none"> • 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 |
| 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 110V AC/220V AC 50/60Hz @10A single-phase power input |
| Noise | The noise of the chassis is ≤ 69dba at typical speed and ≤ 85dba at full speed |
| Operating system | CentOS6.7 and above, 64bit |
| Network management | <ul style="list-style-type: none"> • 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 |

High Density 800G Test Appliance



Facing the technological tide of Intelligent Computing Center (ICC) network architecture evolving towards 800G, the precision and coverage of test equipment define the delivery quality of infrastructure. Xinertel has launched the DarYu X5-800G test appliance. Built on advanced FPGA architecture, it is engineered to provide a rigorous validation environment for optical modules, switches, and core routers.

The X5-800G test appliance features professional L2-3 traffic generation and analysis capabilities. It supports large-scale routing/switching protocol emulation and AI traffic simulation. It enables comprehensive benchmarking (e.g., RFC 2544, RFC 2889, RFC 3918), functional verification, performance evaluation, as well as long-term stability and reliability testing for network equipment.

Key Features

- Native QSFP-DD 800G Interfaces: Supports 2 x 800G multi-rate test ports
- Large-scale L2-3 Traffic and Protocol Emulation: Comprehensive simulation of routing and switching protocols at scale
- Performance Testing: Advanced validation for Routing, Multicast, Access, MPLS, VxLAN, and Segment Routing (SR) protocols
- FPGA-based Line-rate Performance: 100% line-rate traffic generation, real-time statistics, and full packet capture
- Benchmarking Suites: Full support for industry-standard test suites, including RFC 2544, RFC 2889, and RFC 3918

Models

| Product name | Product description | Product classification |
|----------------------------|------------------------------|------------------------|
| X5-800G-4QDD, X5-800G-8QDD | 4/8-port 800G test appliance | X5 Series |

Specifications

| Hardware and electrical characteristics | |
|---|---|
| Port speed | 800G *400/200/100G will be supported in 2026 |
| Port density | 4/8 |
| User reservation | Reservation by port |
| Port speed switching | Switch speed by port |
| Module weight (kg) | 21.5 ~ 28.7 |
| Dimensions (W x H x D) | 444mm x 87mm x 730mm |
| Temperature | 0 °C to 35 °C |
| Humidity | 20% to 85% |
| Max power consumption(W) | 3000W |
| Traffic | |
| Max streams per port | 800G: 32K |
| Frame length (byte) | 64~16384 bytes |
| Frame length controls | Fixed, Increment, Decrement, Random, Auto, and IMIX |
| Dynamic fields | 4 dynamic fields are available for each stream ; Support multiple dynamic controls such as Fixed, increment, Decrement, List, and Random. |
| Transmit mode | Continuous, Burst, and Time Burst modes based on port; Continuous and Burst modes based on flow |
| Bandwidth modification | Modify by port or flow |
| Latency and jitter | LIFO, FIFO, LIFO, and FILO |
| Timestamp resolution | 2.5 nanoseconds |
| Built-in protocol templates | Built in multiple message templates, such as VLAN, ICMP, PPPoE, GRE, DHCP, L2TP, IPv6, MPLS, GTP, GOOSE, VXLAN, OSPF, TCP, UDP, etc |
| Customized frame | Support user-defined frame, and the edited frame template can be saved; Supports the checksum check of custom fields |
| Customized payload | Support importing the 64K bytes customized payload and the first 16K bytes can be adjusted with jumping |
| Flow control | Full duplex flow control |
| Packet error generation | IP/TCP/UDP checksum error, Oversize frame |
| Statistics | |
| Statistical streams per port | 800G 32K |
| Statistical pattern | Csv statistics, chart statistics, automatic saving of csv files |
| Statistics(Port) | Tx/Rx Frames, Tx/Rx Frame Rate, Rx Bandwidth, Error Frame Statistics, Filter Statistics, and Customized Statistics, FCS Error Statistics, TCP/UDP Checksum Errors, Pause Frame Statistics, etc. |
| Statistics(Flow) | Tx/Rx Frames, Tx/Rx Flow rate, Rx Bandwidth, Error frame statistics, Real-time packet loss statistics, out of order statistics, delay, jitter and customized statistics, etc. |
| Statistics operation | Support sorting of statistical results, performing mathematical operations such as addition, subtraction, multiplication, and division, and customizing the number of statistical entries for each page, etc. |
| Capture | |
| Capture buffer (Byte) | 2M |
| Capture pattern | Capture of data and receive frames of the control plane; Capture of transmitted and received frames of the control plane; Capture based on filter templates; Capture filtered error packets; Capture buffer overwriting; Support specifying the number of downloaded capture packets. |
| Protocol | |
| Routing and MPLS | RIPv1/v2, RIPng, OSPFv2, OSPFv3, ISISv4, ISISv6, BGP, BGP4+, SR for BGP/OSPF/ISIS, SRv6 for ISISv6/BGP BGP SR TE Policy, LDP, MPLS IP VPN, 6VPE/6PE, BGPVPLS, LDPVPLS, PWE, LSP Ping |
| Access | PPPoE Client/Server, DHCPv4 Client/Server, DHCPv6 Client/Server, DHCPv6 PD Client/Server, L2TPv2, 802.1x |
| Multicast | IGMPv1/v2/v3, MLDv1/v2, IGMP/MLD Querier, PIM-SM |
| Data center | VXLAN IPv4/IPv6, VXLAN EVPN IPv4/IPv6, OVSDDB, OpenFlow 1.3 Controller, BGP/EVPN for VxLAN, LACP |
| Other | BFD, 802.1ag, 802.1ah, IPv6 automatic configuration, Y.1731 |
| Test suite | RFC2544, RFC2889, RFC3918, Asymmetric Test, Y.1564 |
| Software platform | |
| Client software | Renix |
| API | Tcl, Python, GUIToTcl, GUIToPython |
| GUI language | English, Simplified Chinese |
| Hardware platform | |
| Chassis operating system | Linux CentOS7. X |

High density 400G Test Appliance



5G, cloud, and data centers have brought unprecedented internet experiences. The ultra-high bandwidth, massive connectivity, low latency and high reliability of 5G will become a strong foundation for building a digital society. Service providers and large-scale data centers are deploying multi-rate network infrastructure solutions to meet the growing market demands. Due to these multi-rate requirements, customers require higher density tester, and verifying next-generation routers and data center structures requires flexibility. The X5-400G appliance is launched by Xinertel for high-end routers, high-end switches, and data center switch to help operators, network equipment manufacturers, and enterprise users easily cope with the rapid testing business growth and future business development.

With the leading L2-3 traffic generation and analysis capabilities, Xinertel X5-400G appliance multi-rate test module supports large-scale routing and switching protocols and traffic test, and benchmark tests (such as RFC2544/RFC2889/ RFC3918), functional testing, performance testing, long-term stability and reliability testing for network equipment.

Key Features

- Native QSFP-DD 400G interface, supports 8/16 400G ports, and 400G/200G/100G
- Supports large-scale 2-3 layer traffic and routing switching protocol simulation
- Supports the performance test of routing, multicast, access, MPLS, VXLAN, segment routing (SR) and other protocols
- Supports the generation and transmission of RoCEv2 traffic, as well as ECN, DCQCN, and PFC functionalities
- Supports CCL (Collective Communication Library) traffic simulation.
- FPGA based 101% line speed traffic generation, statistics and capture
- Supports RFC2544, RFC2889, RFC3918 and other benchmark test suites

Models

| Product name | Product description | Product classification |
|-----------------------------|-------------------------------------|------------------------|
| X5-400G-8QDD, X5-400G-16QDD | 8/16 port 400G multi-rate appliance | X5 series appliance |

Specifications

| Hardware and electrical characteristics | |
|---|---|
| Port speed | 400G/200G/100G/50G |
| Modulation | PAM4:400G/200G/100G/50G NRZ: 100G |
| Port density | 8/16 |
| User reservation | Reservation by port |
| Port speed switching | Switch speed by port |
| Weight(kg) | 21.5 ~ 28.7 |
| Module size(W x H x D) | 444mm x 87mm x 730mm |
| Temperature | 0 ° C to 35 ° C |
| Humidity | 20% to 85% |
| Max power consumption(W) | 3000W |
| Traffic | |
| Max streams per port | 400G: Tx=16K; 200G: Tx=8K; 100G: Tx=8K(NRZ)/4K (PAM4) |
| Frame length(byte) | 64~16004 bytes |
| Frame length controls | Fixed, Increment, Decrement, Random, Auto, and IMIX |
| Dynamic fields | 4 dynamic fields are available for each stream on 400G, 6 dynamic fields are available for each stream on 100G ; Support multiple dynamic controls such as Fixed, increment, Decrement, List, and Random. |
| Transmit mode | Continuous, Burst, and Time Burst modes based on port; Continuous and Burst modes based on flow |
| Bandwidth modification | Modify by port or flow |
| Latency and jitter | LIFO, FIFO, LILO, and FILO |
| Timestamp resolution | 2.5 nanoseconds |
| Built-in protocol templates | Built in multiple message templates, such as VLAN, ICMP, PPPoE, GRE, DHCP, L2TP, IPv6, MPLS, GTP, GOOSE, VXLAN, OSPF, TCP, UDP, etc |
| Customized frame | Support user-defined frame, and the edited frame template can be saved; Supports the checksum check of custom fields |
| User defined data | Supports importing the 64K bytes customized payload and the first 16K bytes can be adjusted with jumping |
| Flow control | Full duplex flow control |
| Packet error generation | IP/TCP/UDP checksum error, Oversize frame |
| Statistics | |
| Statistical streams per port | 400G: Tx=32K; 200G: Tx=16K; 100G: Tx=8K |
| Statistical pattern | Csv statistics, chart statistics, automatic saving of csv files |
| Statistics(Port) | Tx/Rx Frames, Tx/Rx Frame Rate, Rx Bandwidth, Error Frame Statistics, Filter Statistics, and Customized Statistics, FCS Error Statistics, TCP/UDP Checksum Errors, Pause Frame Statistics, etc. |
| Statistics(Flow) | Tx/Rx Frames, Tx/Rx Flow rate, Rx Bandwidth, Error frame statistics, Real-time packet loss statistics, out of order statistics, delay, jitter and customized statistics, etc. |
| Statistics operation | Support sorting of statistical results, performing mathematical operations such as addition, subtraction, multiplication, and division, and customizing the number of statistical entries for each page, etc. |
| Capture | |
| Capture buffer(Byte) | 400G: 256KB; 200G: 256KB; 100G: 256KB |
| Capture pattern | Capture of data and receive frames of the control plane; Capture of transmitted and received frames of the control plane; Capture based on filter templates; Capture filtered error packets; Capture buffer overwriting; Support specifying the number of downloaded capture packets. |
| Protocol emulation | |
| RoCEv2 | PFC, ECN, DCQCN |
| Routing and MPLS | RIPv1v2, RIPng, OSPFv2, OSPFv3, ISISv4, ISISv6, BGP, BGP4+, LDP, MPLS L3VPN, VPLS, VLL, 6VPE, 6PE |
| Access | PPPoE Client/Server, DHCPv4 Client/Server, DHCPv6 Client/Server, DHCPv6 PD Client/Server, L2TPv2, 802.1x |
| Multicast | IGMPv1/v2/v3, MLDv1/v2, IGMP/MLD Querier, PIM-SM |
| Data center | VXLAN, OpenFlow, OVSDB, EVPN, LACP |
| CCL | Algorithms: Ring, Recursive Halving-Doubling, Double Binary Tree Communication Primitive: All-Reduce |
| Other | BFD, 802.1ag, 802.1ah, IPv6 automatic configuration |
| Test suite | RFC2544, RFC2889, RFC3918, Asymmetric Test, Y.1564 |
| Software platform | |
| Client software | Renix |
| API | Tcl, Python, GUIToTcl, GUIToPython |
| GUI language | English, Simplified Chinese |
| Hardware platform | |
| Chassis operating system | Linux CentOS7. x |

RoCE Tester



XINERTEL RoCE Tester is specifically designed to tackle the complex traffic scheduling challenges in intelligent computing centers, providing rigorous functional and performance validation for switches and the overall network architecture.

The XINERTEL RoCE Tester family includes four different hardware models, covering a comprehensive range of RoCE testing capabilities. It supports RoCE testing at 400G/200G/100G multi-rates, includes congestion control technology validation, and can emulate various CCL communication operations, delivering rich test scenarios for lossless networks.

Specifications

| Hardware characteristics | |
|---------------------------|--|
| Product model 1 | X5-400G-8QDD、X5-400G-16QDD |
| Port speed | 400G/200G/100G/50G |
| Modulation | PAM4:400G/200G/100G/50G NRZ:100G |
| RoCE speed | 400G RoCE 200G RoCE |
| RoCE port density | 8/16x400G RoCE port 8/16x200G RoCE port |
| Port reservation | Reservation by port |
| Port speed switching | Switch speed by port |
| Weight (kg) | 8 KG |
| Module size (W x H x D) | 444mmx87mmx730mm |
| Temperature | 0° C to 35° C |
| Humidity | 20% to 85% |
| Max power consumption (W) | 3000W |

| Hardware characteristics | |
|---------------------------|---|
| Product model 2 | E2-400G-2QDD-Q |
| Port speed | 400G/200G/100G/50G |
| Modulation | PAM4:400G/200G/100G/50G NRZ:100G |
| RoCE speed | 400G RoCE 200G RoCE |
| RoCE port density | 2x400G RoCE port 2x200G RoCE port |
| Port reservation | Reservation by port |
| Port speed switching | Switch speed by port |
| Weight (kg) | 2.6 KG |
| Module size (W x H x D) | 206mm46mmx284.5mm |
| Temperature | 0° C to 35° C |
| Humidity | 20% to 85% |
| Max power consumption (W) | 230W |
| Product model 3 | X2-100G-12QSFP28-Q |
| Port speed | 100G/50G/40G/25G/10G |
| Modulation | NRZ: 100G/50G/40G/25G/10G |
| RoCE speed | 100G RoCE |
| RoCE port density | 6x100G RoCE port |
| Port reservation | Reservation by port |
| Weight (kg) | 8.5KG |
| Module size (W x H x D) | 580mm x 438mm x 46 mm |
| Temperature | 0° C to 35° C |
| Humidity | 20% to 85% |
| Max power consumption (W) | 380W |
| Product model 4 | E2-100G-4QSFP28-Q |
| Port speed | 100G/50G/40G/25G/10G |
| Modulation | NRZ: 100G/50G/40G/25G/10G |
| RoCE speed | 100G RoCE |
| RoCE port density | 2x100G RoCE port |
| Port reservation | Reservation by port |
| Weight (kg) | 2.2kg |
| Module size (W x H x D) | 206mm x 284mm x 46mm |
| Temperature | 0° C to 35° C |
| Humidity | 5% to 70% |
| Max power consumption (W) | 80W |
| Protocol Simulation | |
| RoCEv2 | RC/UD mode, 8K QP per port |
| Congestion control | ECN, PFC, DCQCN |
| Routing and MPLS | RIPv1v2、RIPng、OSPFv2,OSPFv3,ISISv4,ISISv6,BGP,BGP4+,LDP、MPLS L3VPN、VPLS、VLL、6VPE、6PE |
| Access | PPPoE Client/Server、DHCPv4 Client/Server、DHCPv6 Client/Server、DHCPv6 PD Client/Server、L2TPv2、802.1x |
| Multicast | IGMPv1/v2/v3、MLDv1/v2、IGMP/MLD Querier、PIM-SM |
| Data center | VXLAN、OpenFlow、OVSDB、EVPN、LACP |
| CCL | Ring All Reduce、DBT All Reduce、Recursive Halving-Doubling All Reduce、Pair-Wise All-to-All |
| Other | BFD、802.1ag、802.1ah、IPv6 automatic configuration |
| Test suite | RFC2544, RFC2889, RFC3918, Asymmetric Test,Y.15664 |