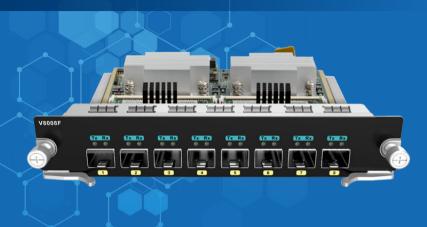
V8000 Test Module



The V8000 series test module of Xinretai provides various specifications of ports (maximum 8 ports), and can also be equipped with optical or electrical port mode according to actual needs. With Xinretai's new generation test software RENIX based on PCT architecture, the V8000 series test module can provide a complete set of Layer2-3 layer based test plans, and each port supports line speed traffic generation and analysis, high-performance routing/multicast/user access simulation, etc.

Key features

- Supports 10G/1G SFP+/SFP
- Support L2-3 traffic generation and protocol emulation
- Support FPGA based 100% line rate traffic generation, statistics, and packet capture
- Support the benchmark test suites such as RFC2544, RFC2889, and RFC3918
- Language for test software GUI: English and Chinese
- · Language for test report: English and Chinese

Models



V8004F Test Module 4-port 10G SFP+ test module



V8008F Test Module 8-port SFP+ 10G test module



V8008D Test Module 8-port SFP/SFP+ 1G/10G test module



Specifications

Hardware and Electrical	Characteristics
Port speed	1G/10G
Port density	Up to 8 ports for single test module
Interface standards	1000MBASE-SX/LX、10GBASE-SR/SW、10GBASE-LR/LW
User reservation	Reservation by port
Port speed switching	By port group (4 ports per group/V8008D)
Weight (kg)	1.2
Dimensions	100 255 271
(W*H*D)	196mm x 35.5mm x 271mm
Temperature	0° C to 35° C
Humidity	20% to 85%
Max power	29W
consumption (W)	25W
Traffic generation	
Max streams per portt	256
Frame length (byte)	58-16383
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,
Dynamic fields	Decrement, List, and Random.
Transmit mode	Continuous, Burst, and Time Burst modes based on port; Continuous and Burst modes based on flow
Bandwidth	γ. ,
modification	Modify by port or flow
Latency and jitter	LIFO, FIFO, LILO, and FILO
Timestamp resolution	8 nanoseconds
Built-in protocol	
templates	VLAN, ICMP, PPPoE, GRE, DHCP, L2TP, IPv6, MPLS, GTP, GOOSE, VXLAN, OSPF, TCP and UDP, etc.
	Support customizing the frame, and the edited frame template can be saved; Customized field can be checked with
Customized frame	checksum.
Customized payload	Support importing the 32K bytes customized payload and the first 256 bytes can be adjusted with jumping
	CRC error, Undersize frame, Oversize frame
Flow control	Full duplex flow control, half duplex back pressure
Statistics	
Statistical streams per	
Statistical streams pel	1004
port	1024
	1024 Csv statistics, chart statistics, automatic saving of csv files
port Statistical pattern	
port	Csv statistics, chart statistics, automatic saving of csv files 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.
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