

Technical Specifications

BigTao 6200/220 400G Appliance

Slots	BigTao 6200: 6 BigTao 220: 2
Size	BigTao 6200: 446 mm x 413 mm x 132 mm (17.6inchesx16.3inchesx5.2inches) BigTao 220: 400mmx340mmx95mm (15.7inchesx13.4inchesx3.7inches)
Weight	BigTao 6200: Empty chassis: 12.5kg (27.6 lbs) / Full chassis: 20kg (44.1 lbs) BigTao 220: Empty chassis : 6.6kg (14.6 lbs) / Full chassis: 9.2kg (20.3 lbs)
Max Power Draw	BigTao 6200: 600W BigTao 220: 200W
Generator and Analyzer	
Number of Streams	<ul style="list-style-type: none"> Stats/Streams 400G: 256; 200G:256; 100G:64 Stats/Stream: Tx Count (frames),Rx Count(frames), Tx Rate (fps), Rx Rate (fps), Tx Rate (bps), Rx Rate (bps), Rx Sig Count (Frames), Avg Latency (us), Min Latency (us), Max Latency (us)
Frame Transmit Modes	Port-based: Continuous, Burst and Time (V2-400G-2QDD-Q only support Por-based) Stream-based: Continuous, Burst
Min/max Frame Size (w/CRC)	64-16000 bytes
Real-time Tx Stream Adjustments Per-stream Statistics Analyzed in Real Time	Change rate and frame length settings without stopping the generator or analyzer for truly interactive, cause and effect analysis <ul style="list-style-type: none"> Tx and Rx frame counts and rates Out of sequence errors, frame statistics, real-time packet loss statistics, out-of-order statistic FCS errors and rate Rx Filter Frames and custom statistics Real Time Dropped Frame count
Flow Control	Full duplex flow contro
Per-port Statistics Analyzed in Real Time Transmit Timestamp Resolution	Tx and Rx frame counts and rates <ul style="list-style-type: none"> Tx and Rx Layer 1 byte counts and rates Out of sequence errors, frame statistics, real-time packet loss statistics, out-of-order statistic PRBS errors FCS errors and rate
Supported Encapsulations	<ul style="list-style-type: none"> Layer 2: Ethernet II, 802.1Q, 802.1ad, FCoE Layer 3/4: IPv4, IPv6, TCP, UDP
Capture Bufer Size	32 KB per port
Capture Buffer Controls	Capture the Rx frame of data and control plane Capture Tx and Rx frame of control plane Capture frame based on filter templat Capture frame based on error message Support loopback capture Support downloading a specified number of captured messag
Latency Modes	Benchmark tests support LIFO, LILO, FIFO or FILO latency calculation methods (V2-400G-2QDD-Q Benchmark tests support: LILO)
VFD Entries per Stream	4 VFD insertions per stream
Layer 2-3 Additional Specs	
Routing and MPLS	RIPv2/RIPng, OSPFv2/v3, BGP4/4+, IS-ISv4/v6, SR for BGP, BGP SR TE Policy, LDP, BGP VPLS
Access	PPPoE Client/Server, DHCPv4 Client/Server, DHCPv6 Client/Server, DHCPv4 Option 60, L2TPV2
Multicast	IGMPv1/v2/v3, IGMP/MLD querier, MLD, PIM, PPPoE over Multicast
Data Center	VXLAN IPv4/IPv6, VXLAN EVPN IPv4/IPv6, OpenFlow 1.3 Controller
Test Suite	RFC2544, Smart Script
Others	BFDv4/v6, 802.1ag, 802.3ah, Y.1731
Software	
Renix Test Platform: L2-3 traffic test and protocol emulation	Renix is Windows-based software that offers L2-3 efficient and convenient configuration wizards, statistica result views. test result analysis and supports TCL/Python automation test API

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