

PacketStormXXG

IP Network Emulator

“Providing the Internet in a box”

PacketStormXXG

- Line Rate Performance
- Two Ports
- Ethernet Interfaces:
10G/25G/40G/50G/100



Features and Description:

The PacketStorm IP Network Emulators reproduce the unfavorable conditions of IP Networks and WANs in a controllable and repeatable lab setting. The emulator recreates the dynamic behavior of the Internet such that any network model can be reproduced including those models that change with traffic, time, or the behavior of another traffic flow.

WAN Applications:

The PacketStormXXG addresses the WAN impairments at the following data rates: 10G, 25G, 40G, 50G, and 100G. Line rate capability at all packet sizes. The XXG can emulate even long latencies with high precision accuracy.

Impairments:

- Latency
- Jitter
- Drop
- Accumulate & Burst
- Corruption
- Duplication
- Re-order
- Throttle

Filters:

- Source & Destination Address
- Source & Destination Port
- MPLS
- VLAN
- MAC
- Any Field
- IPv6
- All Frames

Statistics:

- Bandwidth
- Loss
- Bytes
- Packets
- Impairment Percentages
- Impairment Totals



Graphical User Interface

The PacketStormXXG uses tabs and two sections to simplify the Graphical User Interface (GUI) and be able to make network models easily. The top section displays the different tabs and parameter settings. The bottom section displays the present network model and its settings.

Statistics

When emulation is started, the PacketStormXXG automatically changes the top section to the Statistics Tab. In addition, to the various statistics displayed, the Statistics Tab contains the control and status of the Hitless feature for video applications.

Total Rx/Tx Data Rate		Mbps	
Receive	Transmit		
A → B	10,784.25	10,784.25	
B → A	10,784.28	10,784.28	

A → B		Receive Stats		Transmit Stats		B → A		Receive Stats		Transmit Stats	
Total Bytes:	55,448,733,000	55,449,439,000		Total Bytes:	55,449,876,000	55,448,138,000		Total Bytes:	55,449,876	55,448,138	
Total Packets:	55,448,733	55,449,439		Total Packets:	55,449,876	55,448,138		Total Packets:	55,449,876	55,448,138	
CRC Errors:	0	0		CRC Errors:	0	0		CRC Errors:	0	0	

Link	Matching	Rx Rate	Drop %	Total Drop	Reorder %	Total Reorder	Latency %	Total Latency	Corrupt %	Total Corrupt	Duplicate %	Total Duplicate	Tx Rate
A → B 1	●	0.00	0%	0	0%	0	0	0	0%	0	0%	0	0.00
A → B 5	●	980.44	0%	0	0%	0	99.9992%	4979735	0%	0	0%	0	980.44
A → B 7	●	9803.83	0%	0	0%	0	99.9992%	49794507	0%	0	0%	0	9803.83
A → B BP	●	0.00	0%	0	0%	0	0	0	0%	0	0%	0	0.00
B → A BP	●	10784.26	0%	0	0%	0	0	0	0%	0	0%	0	10784.26