







ALBEDO Net.Storm: Competitor Table

	ALBEDO Net.Storm	Anue / Spirent GEM	IXIA ImpairNet EIM1G4S	Apposite Linktropy 5500	Apposite Netropy N60	Shunra vCat STN
Image						
Platform	• Handheld • Weight 1,1 kg	• Rack-mounted device • Weight > 4 kg	• Blade for rack-mounted • Weight > 4 kg	• Rack-mounted device • Weight 3.9 kg	• Rack-mounted device • Weight 3.9 kg	• Rack-mounted device • Weight 20 kg
Engine	Hardware	Hardware	Hardware	Hardware	Hardware	Software
Batteries	Yes	No	No	No	No	No
Keyboard	Built-in	No	No	No	No	No
Screen	Built-in	No	No	No	No	No
Max bit rate	1000 Mb/s	1000 Mb/s (10G version exists)	1000 Mb/s (10G version exists)	1000 Mb/s (10G version exists)	1000 Mb/s (10G version exists)	1000 Mb/s (10G version exists)
Test Interfaces	2 x RJ-45 and 2 x SFP	(?)	4 x RJ-45 or 4 x SFP (one module)	2 x RJ-45 or 2 x SFP	2 x RJ-45 or 2 x SFP	Up to 20 x RJ-45 or 22 x SFP
Throughput	1.5 Mframes/s	1.5 Mframes/s (?)	(?)	1.0 Mframes/s	1.0 Mframes/s	(?)
MTU	10 kB	Unlimited or 12 kB (for reordering and duplication)	9 kB	9 KB	9 KB	1,5 KB
Simultaneous streams	16	16	16	1	15	1
Loss	• Single • Burst • Periodic burst • Random • Two-state random	• Burst • Periodic • Random Poisson • Random uniform • Random normal	• Random	• Random	• Random • Burst • Periodic • BER	• Burst • Periodic • Random • Two-state random
Bit errors	• Single • Random	Idem	Random (?)	Random	Random (?)	Random (?)
Delay & Jitter	• Constant • Random uniform • Random exponential • No-reordering Jitter	• Constant • Variable	• Constant • Random uniform • Random exponential • Random normal • Random custom	• Constant • Random uniform • Random normal	• Constant • Random uniform • Random normal	• Constant • Random uniform • Random normal
Duplication	Random	Random (?)	Random	Random	Random	Random (?)
Reordering	• Through • Random delay	Random	Random	Random	Random	Random (?)
Modification	No	Yes (48 bytes per stream)	No	No	No	Yes
Policing & Shaping	Yes	Yes	No	No	Yes	Yes
Filter	• Ethernet (source and destination address, ethertype, VLAN, CoS) • IPv4 (source + destination address, protocol, DSCP, port) • Generic filters	• Ethernet (VLAN, source / dest. addr) • IPv4 and IPv6 (source / dest. addr) • Pre-built protocol filter suite: PPP, PTP, RSVP... • Generic filters • String search	• Ethernet, IPv4 / v6, MPLS, miscellaneous application-layer protocols • Generic filters (8x16 bit frame matchers for each stream)	No	• Ethernet (source and destination address, VLAN) • MPLS label • IPv4 and IPv6 (source / destination address, port)	No
Statistics	• Frame counts • Dedicated per-filter	• Frame counts	• Through the Ixia • StatViewer interface	• Frame counts • Traffic charts	• Frame counts • Traffic charts	• Frame counts
Switching capabilities	No	Router emulation	No	• Bridge emulation • Router emulation	No	• Bridge emulation • Router emulation
Replay	No	Yes	Through specific IXIA modules	Yes	Yes	Through Shunra VE Network Catcher
GUI	• Built-in (keyboard and screen) • Remote VNC (PC, iPhone, Mobile...)	• Web browser GUI	Remote software	• Web browser GUI	Web browser GUI	• Windows proprietary application
Management & Automation	• CLI by SSH/Telnet	• TCL scripting	• IXIA automatization	• CLI by SSH/Telnet	• CLI by SSH/Telnet	• LCD status display

ALBEDO Telecom - B6523022 - Joan d'Àustria, 112 - Barcelona - 08018 - www.telecom.albedo.biz

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