

WatchGuard Technologies Unified Threat Management Solution

WatchGuard XTM 850 Solution Provides Best Overall Performance with UTM Features Applied

June 26, 2013 – UDP and HTTP Firewall throughput of network security products was recently evaluated by Miercom.

The effectiveness of the XTM 850 UTM appliance from WatchGuard was analyzed based on throughput speed with standard UTM features enabled. Tests examined throughput performance using basic firewall packet filtering and application layer inspection and scanning.

The WatchGuard XTM 850 utilizes a proxy-based approach to inspection and scanning at the application layer, which functions much like deep packet inspection (DPI) for other vendors.

Based on our assessment of Network Security Products, the WatchGuard XTM 850 is awarded Performance Verified for both UDP and HTTP firewall throughput.

During all tests performed, WatchGuard XTM 850 provided better throughput than the competing products. The table on the next page

shows the results of the products tested in the six testing scenarios deployed.

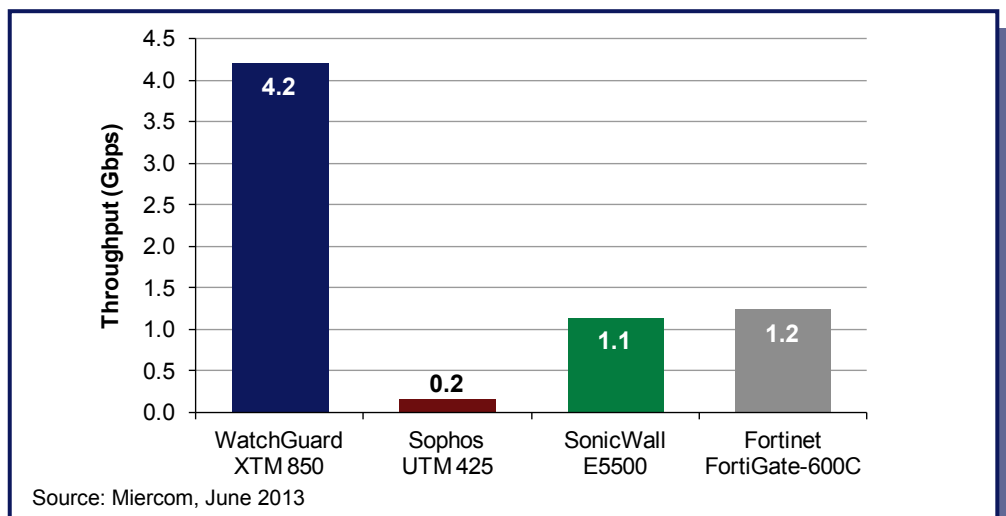
In most of the firewall tests, the XTM 850 was able to surpass the throughput of other products by nearly 3.5 times.

Testing verified more than 8 Gbps of firewall throughput packet filtering and 4.2 Gbps throughput for proxy and/or DPI with standard features enabled, including IPS and anti-virus protection.

With 14 1GbE ports concurrently loaded and UDP enabled, the XTM platform achieved throughput of 8.15 Gbps. During this exercise, no frames were lost. No out-of-sequence frames were detected.

The products were configured to ensure optimal performance while using best practices and user guides.

WatchGuard UTM uses multi-core processors, providing the power needed and prevents performance bottleneck.



UDP throughput of the UTM firewalls with HTTP traffic when tested using packet filtering and proxy and/or DPI. Note that WatchGuard attained nearly 3.5 times greater throughput than competitors.

Speed and Security

Today's businesses need more than a firewall. In order to thwart the advanced threats, both anti-virus protection and intrusion protection must be used. A product that provides these features without slowing network speeds or increasing security budgets is vital. WatchGuard XTM 850 provides the speed and maintains throughput, while providing advanced protection for enterprise networks.

Security Appliance Firewall Throughput (Gbps)

	WatchGuard XTM 850	Sophos UTM 425	SonicWall E5500	Fortinet FortiGate-600C
Firewall Throughput (UDP)	8.15	6.00	2.74	16.00
Firewall Throughput (HTTP)	6.90	2.75	1.60	6.85
Proxy Throughput	6.20	2.25	1.50	1.66
Proxy+IPS Throughput	6.00	0.23	1.22	1.66
Proxy+AV Throughput	4.40	1.58	1.22	1.65
Proxy+AV+IPS Throughput	4.20	0.15	1.14	1.23

WatchGuard XTM 850 proved that it was best in all throughput tests, compared to its competitors, in tests with standard UTM features enabled.

Bottom Line

WatchGuard XTM 850 delivers the security and performance required by small and mid-sized enterprises need, while reducing network security costs. This solution uses anti-virus and intrusion prevention to stop advanced malware treats from attacking the network.

Test results demonstrated that the WatchGuard XTM 850 performed nearly 3.5 times faster than competing UTM solutions with standard UTM features enabled. The WatchGuard solution provides first class security services to defend small and mid-size enterprises against malicious content through effective firewall protection.

About Miercom's Product Testing Services...

Miercom has hundreds of product-comparison analyses published in leading network trade periodicals including Network World, Business Communications Review - NoJitter, Communications News, xchange, Internet Telephony and others. Miercom's reputation as the leading, independent product test center is unquestioned.

Miercom's private test services include competitive product analyses, as well as individual product evaluations. Miercom features comprehensive certification and test programs including: Performance Verified Certified Secure and Certified Green. Products may also be evaluated under the NetWORKS As Advertised program, the industry's most thorough and trusted assessment for product usability and performance.

