



Unified Threat Management Comparative Throughput Performance

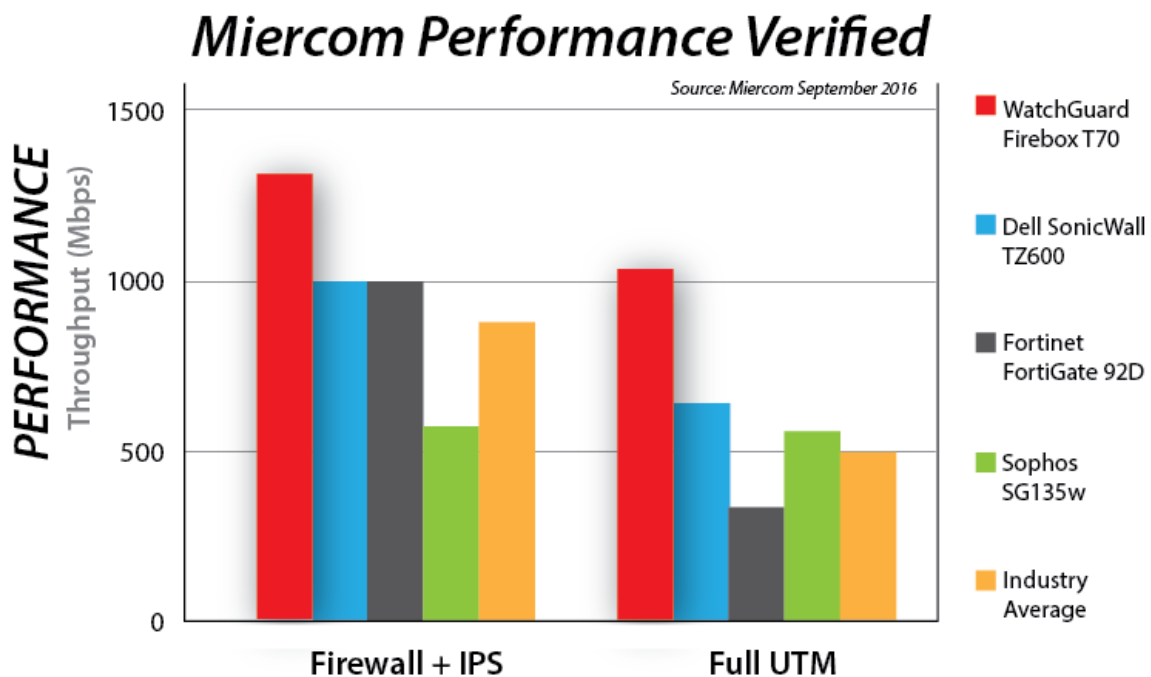
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Report Overview

Miercom was engaged by WatchGuard Technologies, Inc. to conduct independent, comparative throughput performance testing of four market-leading Unified Threat Management (UTM) network security appliances: from WatchGuard, Fortinet, SonicWALL and Sophos.

WatchGuard exhibited the best multi-function and full-UTM performance, consistently processing over 1 Gbps of HTTP throughput. The next best HTTP performer, Dell's SonicWALL, delivered just 64 percent of WatchGuard's full-UTM throughput.

Additionally, WatchGuard delivered the best throughput performance for encrypted HTTPS traffic, which is a major source of malware infection. In fact, WatchGuard's HTTPS throughput was more than double the nearest competitors' in all scenarios.



The HTTP throughput results, shown in the chart, reveal the variability between security appliances as more and more security functions are enabled.

The report details the results and load impact on network performance in the following scenarios:

- **Baseline performance.** Network-layer throughput with firewall filtering enabled; this was measured using large, 1518-byte packets and then an IMIX assortment of varied packet sizes. Baselines were taken for UDP (user datagram protocol) and TCP (transmission control protocol)-based HTTP, as well as encrypted HTTPS (HTTP Secure).
- **Firewall with other security features enabled.** Features and functions in addition to firewall were then individually enabled to evaluate how it impacted performance.
- **Full UTM mode.** Throughput with the full set of security functions enabled and running (firewall, intrusion prevention system, antivirus and application control) was then tested.

The full report including detailed test methodology and description of the products tested is available for download now by filling out the form to the right.

This testing revealed some remarkable achievements by WatchGuard with its new Firebox T70, in all mixed-function scenarios and encryption processing, compared to the competitive security appliances tested.

WatchGuard's Firebox T70 delivered more than 1 Gigabit/sec of HTTP throughput in every scenario: firewall, and with IPS, antivirus and application control running along with firewall.

About Miercom

Miercom has published hundreds of network-product-comparison analyses – many made public, appearing in leading trade periodicals and other publications, and many confidential, for internal use only. Miercom's reputation as the leading, independent product test center is undisputed.

Based on the results of this testing, the WatchGuard Firebox T70 exhibits exceptional throughput when running multiple functions and full-UTM, and we proudly award it the Miercom Performance Verified certification.

