

FIREBOX M590 & M690

Up to 4.6 Gbps UTM throughput

KEEP PACE WITH EXPLOSIVE GROWTH IN ENCRYPTED TRAFFIC

Firebox® M590 & M690 firewalls are specifically engineered for midsize and distributed enterprises that are struggling to effectively and affordably secure networks in the face of explosive growth in bandwidth rates, encrypted traffic, video use, and connection speeds. What's more, the ability to add network modules for greater port density gives you the flexibility to adapt as the network grows and evolves.



"WatchGuard M690 appliances provide the powerful performance, security services and flexibility my business needed to keep pace as our network grow."
- Hayden Johnston, Operations Director at WYSCOM

TOTAL NETWORK PROTECTION

Every network needs a full arsenal of scanning engines to protect against ransomware, viruses, malicious apps, botnets and more. Typically deployed at the corporate headquarters, Firebox M590/M690 appliances serve as the "hub," responsible for managing and providing layered security for all communications between the head office and all remote employee and business sites.

AUTOMATION TO THE CORE

WatchGuard Firebox M Series appliances are designed with automation to the core, allowing your IT team to do more with less. The WatchGuard Automation Core makes it possible to deploy from the Cloud, block threats, update signatures, and detect and kill malware, all without lifting a finger.

UNIFIED SECURITY DEFEATS COMPLEXITY

The WatchGuard Unified Security Platform™ is a true force multiplier for IT teams. It makes operational ease possible by integrating the WatchGuard Firebox with WatchGuard's authentication, endpoint security, and Wi-Fi solutions to enable comprehensive, multi-layered security. Unifying security into a single platform unlocks efficiencies simply not possible with siloed systems, allowing for automation of frequent manual tasks that take up time.

A CLOUD'S-EYE VIEW OF YOUR ENTIRE NETWORK

WatchGuard Cloud provides full visibility into your network so that you can make timely, informed, and effective decisions about your network security anywhere, anytime. The platform displays 100+ dashboards and reports that allow you to quickly see high-level trends and anomalies, then drill down into detailed information on each.

EXPANSION MODULES FOR GREATER PORT DENSITY

The Firebox M Series provides expansion bays that can be used to add network modules to define a configuration that meets the needs of almost any network configuration. Each appliance has an open module bay for expansion modules, with options for 4 x 1 Gb copper, 4 x 1 SFP, 2 x 1 SFP+, or 4 port multispeed POE+ ports. Network modularity empowers IT pros to customize the port configuration to meet their needs, while ensuring the flexibility to adapt the firewall as their network evolves.

FEATURES & BENEFITS

- Up to 29.7 Gbps firewall throughput. Turn on all security scanning engines and still see an amazing 4.6 Gbps throughput.
- All logging and reporting functions included with purchase, with over 100 dashboards and reports including PCI and HIPAA.
- Customize your port configuration to meet current needs, knowing you have the flexibility to adapt as the network evolves. This is how to future-proof your network and eliminate costly rip-and-replace scenarios.
- Redundant power supplies ensure maximum availability.
- Optional POE+ ports can be used to power WatchGuard Wi-Fi Access Points.

Firebox

M590

M690

THROUGHPUT¹

| | | |
|---|-----------|-----------|
| UTM (full scan) ² | 3.3 Gbps | 4.6 Gbps |
| VPN (IMIX) | 2.2 Gbps | 3.2 Gbps |
| HTTPS Content Inspection (IPS enabled) ³ | 1.9 Gbps | 2.9 Gbps |
| Antivirus | 5.0 Gbps | 6.2 Gbps |
| IPS (full scan) | 4.6 Gbps | 5.8 Gbps |
| Firewall (UDP 1518) | 20 Gbps | 29.7 Gbps |
| VPN (UDP 1518) | 6.84 Gbps | 10.0 Gbps |

CAPACITY

| | | |
|-------------------------------------|----------------|------------------------------------|
| Interfaces 10/100/1000 ⁴ | 8x1Gb & 2xSFP+ | 8x1Gb & 2xSFP+ & 2x10Gb multispeed |
| I/O interfaces | 1 serial/2 USB | 1 serial/2 USB |
| Concurrent connections | 6,000,000 | 15,000,000 |
| New connections per second | 132,000 | 146,000 |
| VLANs | 750 | 1,000 |
| WSM licenses (incl) | 4 | 4 |
| TDR Host Sensors included | 250 | 250 |

VPN TUNNELS

| | | |
|-------------------|-----|-------|
| Branch Office VPN | 500 | 1,000 |
| Mobile VPN | 500 | 1,000 |

SECURITY FEATURES

| | |
|---------------------|--|
| Firewall | Stateful packet inspection, TLS decryption, proxy firewall |
| Application proxies | HTTP, HTTPS, FTP, DNS, TCP/UDP, POP3S, SMTPS, IMAPS and Explicit Proxy |
| Threat protection | DoS attacks, fragmented & malformed packets, blended threats |
| Filtering options | Browser Safe Search, Google for Business |

VPN

| | |
|-------------------|---|
| Site to Site VPN | IKEv2, IPSec, Policy and Route Based Tunnels, TLS hub and spoke |
| Remote Access VPN | IKEv2, IPSec, L2TP, TLS |

VISIBILITY

| | |
|---------------------------|--|
| Logging and notifications | WatchGuard Cloud & Dimension, Syslog, SNMP v2/v3 |
| Reporting | WatchGuard Cloud includes over 100 pre-defined reports, executive summary and visibility tools |

CERTIFICATIONS

| | |
|-----------------------------|--------------------------------------|
| Security | Pending: Common Criteria, FIPS 140-3 |
| Safety | NRTL/CB |
| Network | IPv6 Ready Gold (routing) |
| Hazardous substance control | WEEE, RoHS, REACH |

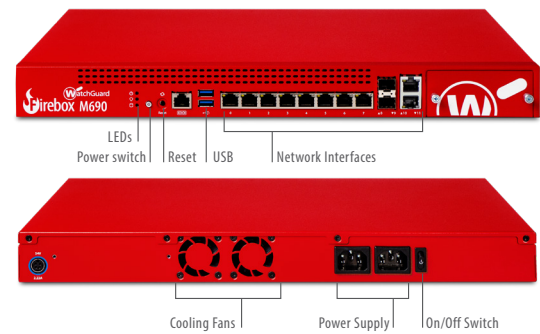
NETWORKING

| | |
|-----------------------|---|
| SD-WAN | Multi-WAN failover, dynamic path selection, jitter/loss/latency measurement |
| Dynamic Routing | RIP, OSPF, BGP |
| High Availability | Active/passive, active/active |
| QoS | 802.1Q, DSCP, IP Precedence |
| Traffic Management | By policy or application |
| IP address assignment | Static, DHCP (server, client, relay), PPPoE, DynDNS |
| NAT | Static, dynamic, 1:1, IPSec traversal, policy-based |
| Link aggregation | 802.3ad dynamic, static, active/backlog |

¹ Throughput rates are determined using multiple flows through multiple ports and will vary depending on environment and configuration. Max firewall throughput tested via direct connection using 1518 byte UDP frame based on RFC 2544 methodology. All testing performed on Firewall version 12.7.2.

² UTM throughput is measured using HTTP traffic with AV, IPS, and Application Control enabled, and does not account for all security services available on the appliance.

³ HTTPS throughput is measured per NetSecOPEN methodology - 256k response with TLS1.2 AES256 + SHA-256.



PHYSICAL AND POWER SPECIFICATIONS

| | M590 | M690 |
|--------------------------------|--|--|
| Product Dimensions (W x D x H) | 12.08" x 17.24" x 1.73" (307 mm x 438 mm x 44 mm) | 12.08" x 17.24" x 1.73" (307 mm x 438 mm x 44 mm) |
| Product Weight | 9.92 lbs (4.5 kg) | 9.92 lbs (4.5 kg) |
| Shipping Dimension (W x D x H) | 22.71" x 8.14" x 17.44" (588 mm x 648 mm x 200 mm) | 22.71" x 8.14" x 17.44" (588 mm x 648 mm x 200 mm) |
| Shipping Weight | 14.33 lbs (6.5 kg) | 14.33 lbs (6.5 kg) |
| Power | Dual PSU -150W, G0937-120-1250-1, 90-264VAC~, 2.2A/2.4A, 47-63Hz | |
| Power Consumption | 110V AC power: 75W at 45°C with 54% fan speed | 110V AC power: 87W at 45°C with 66% fan speed |
| MTBF | 443,771 hours | 337,443 hours |

ENVIRONMENT

| | OPERATING | STORAGE |
|-------------------|---|--|
| Temperature | 32°F to 104°F (0°C to 40°C) | -40°F to 158°F (-40°C to 70°C) |
| Relative Humidity | 5% to 90% non-condensing | 5% to 90% non-condensing |
| Altitude | 0 to 9,843 ft at 95°F (3,000 m at 35°C) | 0 to 15,000 ft at 95°F (4,570 m at 35°C) |

STRONG SECURITY AT EVERY LAYER

Uniquely architected to be the industry's smartest, fastest, and most effective network security products, WatchGuard solutions deliver in-depth defenses against advanced malware, ransomware, botnets, trojans, viruses, drive-by downloads, phishing and much more. Total and Basic Security Suite packages are available on all Firebox solutions.

| | SUPPORT | BASIC SECURITY | TOTAL SECURITY |
|--|-------------------|-------------------|----------------|
| Stateful Firewall | ✓ | ✓ | ✓ |
| VPN | ✓ | ✓ | ✓ |
| SD-WAN | ✓ | ✓ | ✓ |
| Access Portal* | ✓ | ✓ | ✓ |
| Intrusion Prevention Service (IPS) | | ✓ | ✓ |
| Application Control | | ✓ | ✓ |
| WebBlocker | | ✓ | ✓ |
| spamBlocker | | ✓ | ✓ |
| Gateway AntiVirus | | ✓ | ✓ |
| Reputation Enabled Defense | | ✓ | ✓ |
| Network Discovery | | ✓ | ✓ |
| APT Blocker | | | ✓ |
| Threat Detection & Response | | | ✓ |
| DNSWatch | | | ✓ |
| IntelligentAV* | | | ✓ |
| WatchGuard Cloud Visibility Data Retention | | 1 Day | 30 Days |
| Support | Standard (24 x 7) | Standard (24 x 7) | Gold (24 x 7) |

* Total Security Suite required for Firebox V and Firebox Cloud.

For details, talk to your authorized WatchGuard reseller or visit www.watchguard.com.

⁴ Firebox M590 and M690 ship with one empty bay that can accommodate one of the following: 4 x 1 Gb copper, 4 x SFP filter, 2 x SFP+ fiber, 4 x 10 Gb multi-speed ports.

Contact your WatchGuard reseller or call WatchGuard directly (1.800.734.9905) for help determining the right model for your network. Visit www.watchguard.com/sizing to access the online Product Sizing Tool.

View More Datasheets