

# 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

## THROUGHPUT<sup>1</sup>

UTM (full scan) <sup>2</sup>	3.3 Gbps	4.6 Gbps
VPN (IMIX)	2.2 Gbps	3.2 Gbps
HTTPS Content Inspection (IPS enabled) <sup>3</sup>	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 <sup>4</sup>	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

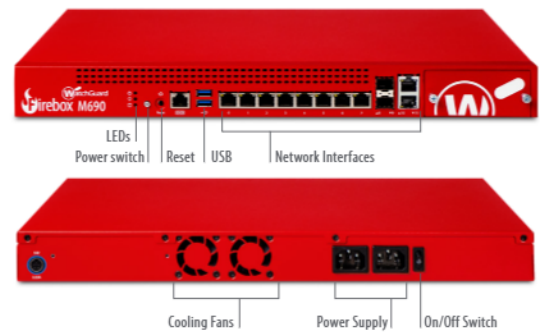
## NETWORKING

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/backup

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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	110V AC power: 87W at 45°C with 66% fan speed
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](http://www.watchguard.com).

<sup>4</sup> 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](http://www.watchguard.com/sizing) to access the online Product Sizing Tool.