



# Firebox M6850



## Uncompromising Security Headroom for the Most Demanding Networks

The Firebox M6850 is designed for organizations that are planning not just for today's traffic, but for what comes next. As the top tier model in the Firebox High Rackmount family, the M6850 delivers the highest levels of firewall, VPN, UTM, and HTTPS inspection performance, combined with native ultra high speed networking. Built for data center edge, core infrastructure, and high-growth enterprises, the M6850 enables customers to standardize on a single firewall platform that can accommodate future increases in users, applications, and encrypted traffic without repeated hardware refreshes.

Uncompromising Speed

Deep, Continuous Security

Next-Gen Scaling

Enterprise-Grade Power

### Firebox M6850

### Technical Specifications

#### Throughput <sup>1</sup>

Firewall (UDP 1518)	104.00 Gbps
Firewall (IMIX)	29.00 Gbps
UTM (Full Scan)	36.50 Gbps
UTM (Fast Scan)	44.00 Gbps
Antivirus	43.00 Gbps
IPS (Full Scan)	40.00 Gbps
IPS (Fast Scan)	43.00 Gbps
HTTPS Content Inspection IPS (Full Scan)	18.50 Gbps
VPN (UDP 1518)	32.0 Gbps
VPN (IMIX)	9.2 Gbps

#### Capacity

Network Interfaces	1 Gbps RJ45 x 8, 1 Gbps SFP x 6, 10 Gbps SFP+ x 10, 25 Gbps SFP28 x 4, 100 Gbps QSFP28 x 2
I/O Interfaces	1 Serial/2 USB-A 3.0
New connections per second	330,000
Concurrent Connections	67,000,000
New connections per second (proxy)	85,000
Concurrent Connections (Proxy)	5,000,000
EDR Core License Included	250
WSM licenses (included)	4
EDR Core Sensors included	250

#### VPN Tunnels

Branch Office VPN	Unrestricted
Mobile VPN	Unrestricted

#### Security Services

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

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**Technical Specifications**

<b>Certifications</b>		
Security	Pending: CC, FIPS 140-3	
Safety	NRTL/CB	
Network	IPv6 Ready Gold (routing)	
Hazardous substance control	WEEE, RoHS, REACH	
<b>Networking</b>		
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	
<b>Physical and Power Specifications</b>		
Product Dimensions	17.3" x 20.25" x 1.73" (440mm x 515mm x 44mm)	
Shipping Dimension	29.25" x 23.25" x 9" (751mm x 599mm x 237mm)	
Product Weight	19.84 lbs, 9 kg	
Shipping Weight	36.38 lbs (16.5 kg)	
Power Consumption	374 W (Max)	
Power	2 x C14 inlet (90-264 VAC) 12V, 50A (600W) Hot-swappable PSU x 2	
<b>Environment</b>	<b>Operating</b>	<b>Storage</b>
Temperature	32° F to 104° F 0° C to 40° C	-10° to 70° C 14° to 158° F
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)
MTBF	TBD	

**Strong Security at Every Layer**

WatchGuard Firebox appliances are uniquely architected to deliver layered security without sacrificing performance. Integrated protections work together to defend against advanced malware, ransomware, phishing, botnets, data exfiltration, and emerging threats, while maintaining visibility and control across the network.



[Learn more](#) about WatchGuard Security Service Bundles

<sup>1</sup>Throughput rates are determined using multiple flows through multiple ports and will vary depending on the environment and configuration. Max firewall throughput tested via direct connection using 1518-byte UDP frames based on RFC 2544 methodology. All testing performed on Fireware version 2025.1.

<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.

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.

