DATASHEET

Firebox M5850

Consistent Security Performance for High Traffic Environments

The Firebox M5850 is purpose-built for organizations running larger sites, campus networks, and distributed enterprise environments where encrypted traffic and application density constantly pressure the firewall. Positioned at the core of the Firebox High Rackmount family, the M5850 delivers higher sustained security throughput and session capacity than entry-level high rackmount models, enabling consistent protection even during peak usage. With native high speed interfaces and redundant hardware standards, it provides a stable foundation for growing networks without forcing architectural compromises.

High-Performance Security | **Built for Scale** | **Uncompromising Visibility** | **Future-Proof Resilience**

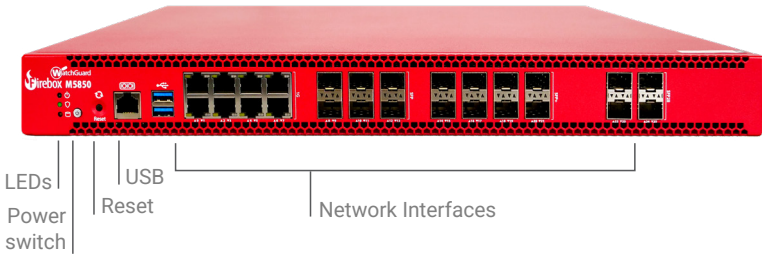
Firebox M5850	Technical Specifications
Throughput [1]	
Firewall (UDP 1518)	79.00 Gbps
Firewall (IMIX)	22.00 Gbps
UTM (Full Scan)	27.00 Gbps
UTM (Fast Scan)	37.50 Gbps
Antivirus	36.50 Gbps
IPS (Full Scan)	33.50 Gbps
IPS (Fast Scan)	38.00 Gbps
HTTPS Content Inspection IPS (Full Scan)	13.8 Gbps
VPN (UDP 1518)	26.0 Gbps
VPN (IMIX)	5.0 Gbps
Capacity	
Network Interfaces	1 Gbps RJ45 x 8, 1 Gbps SFP x 6, 10 Gbps SFP+ x 8, 25 Gbps SFP28 x 4
I/O Interfaces	1 Serial/2 USB-A 3.0
New connections per second	286,000
Concurrent Connections	38,000,000
New connections per second (proxy)	73,000
Concurrent Connections (Proxy)	2,500,000
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

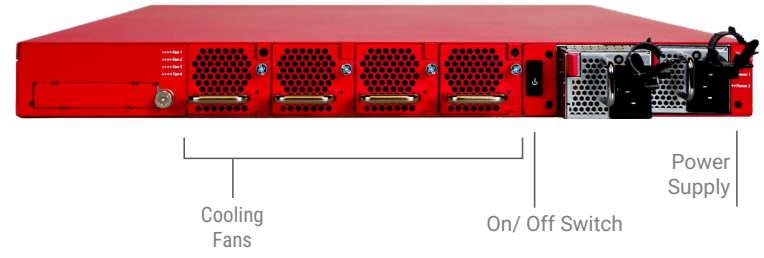
Firebox M5850	Technical Specifications	
Certifications		
Security	Pending: CC, FIPS 140-3	
Safety	NRTL/CB	
Network	IPv6 Ready Gold (routing)	
Hazardous substance control	WEEE, RoHS, REACH	
Networking		
SD-WAN	Multi-wan failover, dynamic path selection, jitter/loss/latency measurement	
Dynamic Routing	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	
Physical and Power Specifications		
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	412 W (Max)	
Power	2 x C14 inlet (90-264 VAC) 12V, 50A (600W) Hot-swappable PSU x 2	
Environment	**Operating**	**Storage**
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





1Throughput 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.

[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.

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.

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