



# Firebox M4850



## Secure Performance for Large Sites and Distributed Enterprises

Designed for organizations that have outgrown traditional midrange firewalls, the Firebox M4850 delivers high performance security for demanding network environments. Purpose built as the entry point to WatchGuard's High Rackmount family, the M4850 combines strong firewall, VPN, UTM, and HTTPS inspection performance with integrated multi speed connectivity and redundant hardware. It enables organizations to step into high rackmount deployments without introducing unnecessary complexity or enterprise level cost.

**Integrated High  
Speed Networking**

**Strong Encrypted  
Traffic Performance**

**Enterprise Grade  
Reliability**

**Increased Partner  
Confidence**

### Firebox M4850

### Technical Specifications

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

|                                          |            |
|------------------------------------------|------------|
| Firewall (UDP 1518)                      | 66.50 Gbps |
| Firewall (IMIX)                          | 18.50 Gbps |
| UTM (Full Scan)                          | 19.10 Gbps |
| UTM (Fast Scan)                          | 23.50 Gbps |
| Antivirus                                | 27.00 Gbps |
| IPS (Full Scan)                          | 25.00 Gbps |
| IPS (Fast Scan)                          | 32.00 Gbps |
| HTTPS Content Inspection IPS (Full Scan) | 8.80 Gbps  |
| VPN (UDP 1518)                           | 18.9 Gbps  |
| VPN (IMIX)                               | 4.1 Gbps   |

#### Capacity

|                                |                                                                         |
|--------------------------------|-------------------------------------------------------------------------|
| Network Interfaces             | 1 Gbps RJ45 x 8, 1 Gbps SFP x 4, 10 Gbps SFP+ x 6, 25 Gbps SFP28 x 2    |
| OCP 3.0 Expansion Bay          | Optional: 2.5 Gbps RJ45 x 4 or 25 Gbps SFP28 x 4 or 100 Gbps QSFP28 x 2 |
| I/O interfaces                 | 1 Serial/2 USB-A 3.0                                                    |
| Concurrent connections         | 37,000,000                                                              |
| Concurrent connections (proxy) | 2,500,000                                                               |
| New connections per second     | 260,000                                                                 |
| VLANs                          | Unrestricted                                                            |
| WSM licenses (included)        | 4                                                                       |
| EDR Core Sensors included      | 250                                                                     |

#### VPN Tunnels

|                   |        |
|-------------------|--------|
| Branch Office VPN | 5,000  |
| Mobile VPN        | 10,000 |

#### 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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|                                   |                                                                                           |                                               |
|-----------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------|
| 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                | 20.25" x 17.32" x 1.73", 515mm x 440mm x 44mm                                             |                                               |
| Shipping Dimension                | 29.25" x 23.25" x 9", 751mm x 599mm x 237mm                                               |                                               |
| Product Weight                    | 19.84 lbs, 9kg                                                                            |                                               |
| Shipping Weight                   | 36.38 lbs, 16.5 kg                                                                        |                                               |
| Power Consumption                 | 374.1 Watts                                                                               |                                               |
| Power                             | Dual hot-swappable, redundant power with 2x C14 inlet, 100-240VAC 50-60Hz, 10A max inputs |                                               |
| Fan Operation                     | Redundant, hot-swappable fan modules, where one is hot-swappable at a time                |                                               |
| Environment                       | Operating                                                                                 | Storage                                       |
| Temperature                       | 32° F to 104° F<br>0° C to 40° C                                                          | -10° to 70°C<br>14° to 158°F                  |
| Relative Humidity                 | 5% to 90%<br>non-condensing                                                               | 5% to 90%<br>non-condensing                   |
| Altitude                          | 0 to 9,843 ft at 95° F<br>(3,000 m at 35° C)                                              | 0 to 15,000 ft at 95° F<br>(4,570 m at 35° C) |
| MTBF                              | TBD                                                                                       |                                               |

## 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, data loss, phishing, and much more.



[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.

For details, talk to your authorized WatchGuard reseller or visit [www.watchguard.com](http://www.watchguard.com).

