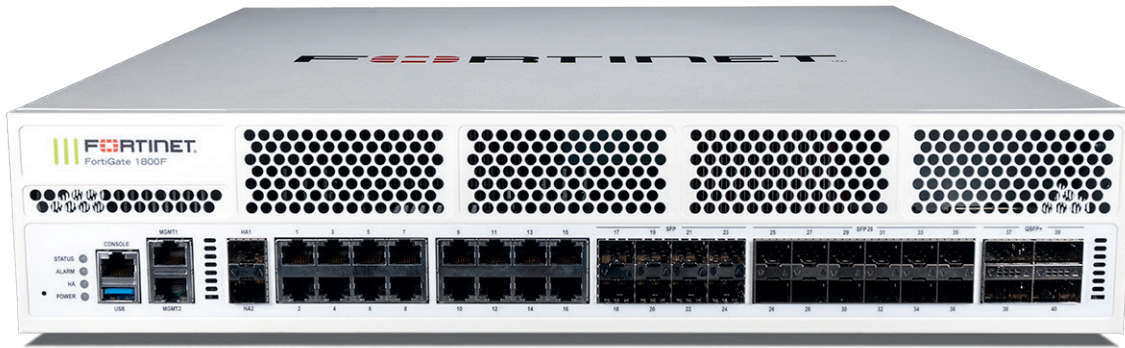


# Introducing FortiGate® 1800F Series



The FortiGate 1800F series NGFW delivers high speed networking, increased scalability, and optimized performance features. Enterprises and service providers using the FortiGate NGFW can manage all of their security risks with the industry's best-of-breed IPS, SSL inspection, and threat protection. The FortiGate 1800F series can be deployed at the enterprise edge, the hybrid and hyperscale data center core, and across internal segments. The multiple high-speed interfaces, high port density, superior security efficacy, and high throughput of this series keeps your network connected and secure.

## Security

- Prevents volumetric attacks with HW accelerated DDoS and Identifies thousands of applications inside network traffic for deep inspection and granular policy enforcement
- Protects against malware, exploits, and malicious websites in both encrypted and non-encrypted traffic environments
- Prevents and detects against known and unknown attacks using continuous threat intelligence supplied by AI powered FortiGuard Labs security services

## Performance

- Provides security for very high throughput flows known as Elephant flows
- Delivers the industry's best threat protection performance and ultra-low latency using purpose-built security processor (SPU) technology
- Provides industry-leading performance and protection for SSL encrypted traffic

## Certification

- Independently tested and validated for industry-best security effectiveness and performance
- Received unparalleled third-party certifications from NSS Labs

## Networking

- Enables scalable segmentation powered by HW accelerated VXLAN technologies
- Delivers advanced networking capabilities that seamlessly integrate with advanced layer 7 security and virtual domains (VDOMs) to offer extensive deployment flexibility, multi-tenancy and effective utilization of resources
- Delivers high-density, flexible combinations of various high-speed interfaces to enable the best TCO for customers at data centers and WAN deployments

## Management

- Includes a management console that is effective, simple to use, and provides comprehensive network automation & visibility.
- Provides Zero Touch Integration with the Security Fabric's Single Pane of Glass Management
- Predefined compliance checklist analyzes the deployment and highlights best practices to improve overall security posture

## Security Fabric

- Enables Fortinet and Fabric-ready partners' products to provide broader visibility, integrated end-to-end detection, threat intelligence sharing and automated remediation

## Specifications



**FG-1800F\***  
**FG-1801F\***

**195 Gbps**  
*Firewall*



**60 Gbps**  
*VPN*



**12 Gbps**  
*NGFW*



**10 Gbps**  
*Threat Protection*

\* Target performance, subject to final values.



### Deployment Modes

Next Generation Firewall  
Segmentation  
IPS  
Mobile Security



### Power Supply

Dual Hot-Swappable AC input



### Interfaces

**FG-1800/1801F:** 4x 40GE QSFP+ slots , 12x 25GE SFP28 / 10GE SFP+ slots, 2x 10GE HA slots, 8x GE SFP Slots, 18x GE RJ45 ports (including 16x ports, 2 x management ports)



### Highlights

- Delivers the industry's first compact hyperscale firewall that provides HW accelerated VXLAN and DDoS protection
- Provides security for very high throughput flows known as Elephant flows
- Delivers the industry's highest speed NGFW with unprecedented Threat Protection and SSL inspection performance in a compact 2U appliance.
- New hardware architecture with management and dataplane separation has a dedicated CPU for management functionality with purpose build SPUs dedicated to traffic processing.
- With uplinks in typical datacenter designs moving to the 25 Gbps and 40 Gbps combination provides superior flexibility and reduction in port and cable costs.
- Management interface redundancy and hot swappable/redundant power supplies.