

Introducing FortiGate® 3500F Series



The FortiGate 3500F 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 3500F 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

- 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
- Prevent and detect against known and unknown attacks using continuous threat intelligence from AI-powered FortiGuard Labs security services

Performance

- Delivers 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 best-in-class security effectiveness and performance
- Received unparalleled third-party certifications from NSS Labs

Networking

- 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 combination of various high-speed interfaces to enable best TCO for customers for data center and WAN deployments

Management

- Includes a management console that is effective, simple to use, and provides comprehensive network automation and visibility
- Provides Zero Touch Integration with Fortinet's 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-3500F*
FG-3501F*



600 Gbps
Firewall Throughput

750,000 (4.8 Million)**
New Sessions/Sec.

100 Million (330 Million)**
Concurrent Sessions



165 Gbps
VPN



60 Gbps
NGFW



57 Gbps
Threat Protection

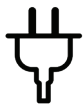
* Target performance, subject to final values.

** Requires Hyperscale Firewall License for hardware session setup acceleration and logging



Deployment Modes

Next Generation Firewall
Segmentation
IPS
Mobile Security



Power Supply

Dual Hot-Swappable AC inputs



Interfaces

- 6× 100GE QSFP28 / 40GE QSFP+ Slots
- 30× 25GE SFP28 / 10GE SFP+ / GE SFP Slots
- 2× 25GE SFP28 / 10GE SFP+ HA Slots
- 2× 10GE/GE RJ45 Mgmt Ports



Highlights

- Delivers the industry's first compact hyperscale firewall that provides HW accelerated VXLAN and DDoS protection
- Provides security for very high throughput sessions 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, which features a dedicated CPU and purpose-built SPUs designed to manage functionality and process traffic
- Provides superior flexibility and reduction in port and cable costs with uplink speeds in typical datacenter designs of 25 Gbps and 100 Gbps
- Management interface redundancy and hot swappable/redundant power supplies



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