

Introducing FortiGate[®] 100F Series



The FortiGate 100F series delivers next generation firewall capabilities for mid-sized to large enterprises, with the flexibility to be deployed at the campus or enterprise branch. Protect against cyber threats with security processor powered high performance, security efficacy and deep visibility.

Security

- Protects against known exploits, malware and malicious websites using continuous threat intelligence provided by FortiGuard Labs security services
- Identify thousands of applications including cloud applications for deep inspection into network traffic
- Detects unknown attacks using dynamic analysis and provides automated mitigation to stop targeted attacks

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 best security effectiveness and performance
- Received unparalleled third-party certifications from NSS Labs, ICASA, Virus Bulletin and AV Comparatives

Networking

- Delivers an extensive routing, switching, wireless controller and high performance IPsec VPN capabilities to consolidate networking and security functionality
- Enables flexible deployment such as Next Generation Firewall and Secure SD-WAN

Management

- Single Pane of Glass with Network Operations Center (NOC) view provides 360° visibility to identify issues quickly and intuitively
- 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 collaboratively integrate and provide end-to-end security across the entire attack surface
- Automatically builds Network Topology visualizations which discover IoT devices and provide complete visibility into Fortinet and Fabric-ready partner products

Firewall	IPS	NGFW	Threat Protection	Interfaces
20 Gbps*	1.6 Gbps*	800 Mbps*	700 Mbps*	Multiple GE RJ45, GE SFP and 10GE SFP+ slots

* Target Performance

Highlights

The FortiGate 100F series uses the industry's first SoC4 SD-WAN ASIC, which delivers the industry's fastest application identification and steering for more than 5,000 applications. This allows users to avoid delays in accessing their applications and accelerates overlay performance, providing low latency and the best possible user experience for business-critical applications.

	FortiGate 100F (SD-WAN ASIC)	SD-WAN Industry Average	Fortinet Advantage
IPSec VPN throughput (Overlay)	11.5 Gbps*	0.6 Gbps	Best price/performance - 20x faster
Max Overlay Tunnels	2,500	200	Industry's highest scalability
NGFW	0.8 Gbps*	Not published/ Not supported	Fastest application steering with security
SSL Inspection	1 Gbps*	Not published/ Not supported	Best application identification accuracy
Interfaces	10GE, 1GE	1GE only	Expansion and growth with 10GE interfaces

* Target performance, subject to final values.



Deployment Modes

Next Generation Firewall
Secure SD-WAN



Power Supply

Dual Non-Hot-Swappable AC input



Interfaces

2 x 10GE SFP+ Slots, 18 x GE RJ45 and 8x 1GE SFP and 4x GE RJ45/SFP Shared Media Pairs



Powered by SD-WAN ASIC - SoC4

- Combines a RISC-based CPU with Fortinet's proprietary Security Processing Unit (SPU) content and network processors for unmatched performance
- Simplifies appliance design and enables breakthrough performance for smaller networks
- Supports firewall acceleration across all packet sizes for maximum throughput
- Delivers accelerated UTM content processing for superior performance and protection
- Accelerates VPN performance for high speed, secure remote access