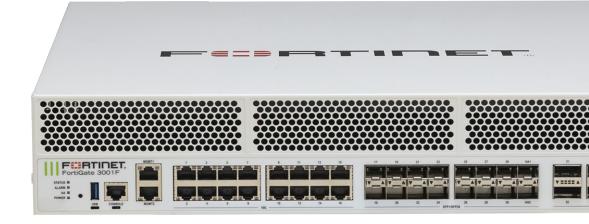




FortiGate 3000F Series

FG-3000F/FG-3000F-DC, and FG-3001F/FG-3001F-DC



Highlights

Gartner Magic Quadrant Leader for both Network Firewalls and SD-WAN.

Security-Driven Networking FortiOS delivers converged networking and security.

Unparalleled Performance with Fortinet's patented / SPU / vSPU processors.

Enterprise Security with consolidated AI / ML-powered FortiGuard Services.

Hyperscale Security to secure any edge at any scale.

High Performance with Flexibility

The FortiGate 3000F Series enables organizations to build security-driven networks that can weave security deep into their datacenter and across their hybrid IT architecture to protect any edge at any scale.

Powered by a rich set of AI/ML-based FortiGuard Services and an integrated security fabric platform, the FortiGate 3000F Series delivers coordinated, automated, end-to-end threat protection across all use cases.

The industry's first integrated Zero Trust Network Access (ZTNA) enforcement within an NGFW solution, FortiGate 3000F automatically controls, verifies, and facilitates user access to applications delivering consistent convergence with a seamless user experience.

IPS	NGFW	Threat Protection	Interfaces
36 Gbps	34 Gbps	33 Gbps	Multiple 10/1 GE RJ45, 100 GE QSFP28, 40 GE
			QSFP+, 25 GE SFP28, 10 GE SFP+ slots



Available in



Appliance



Virtual





Cloud



Container

FortiOS Everywhere

FortiOS, Fortinet's Advanced Operating System

FortiOS enables the convergence of high performing networking and security across the Fortinet Security Fabric. Because it can be deployed anywhere, it delivers consistent and context-aware security posture across network, endpoint, and multi-cloud environments.

FortiOS powers all FortiGate deployments whether a physical or virtual device, as a container, or as a cloud service. This universal deployment model enables the consolidation of many technologies and use cases into a simplified, single policy and management framework. Its organically built best-of-breed capabilities, unified operating system, and ultra-scalability allows organizations to protect all edges, simplify operations, and run their business without compromising performance or protection.

FortiOS dramatically expands the Fortinet Security Fabric's ability to deliver advanced Al/ ML-powered services, inline advanced sandbox detection, integrated ZTNA enforcement, and more, provides protection across hybrid deployment models for hardware, software, and Software-as-a-Service with SASE.

FortiOS expands visibility and control, ensures the consistent deployment and enforcement of security policies, and enables centralized management across large-scale networks with the following key attributes:

- Interactive drill-down and topology viewers that display real-time status
- On-click remediation that provides accurate and quick protection against threats and abuses



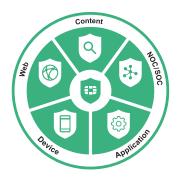


Visibility with FOS Application Signatures

- Intuitive easy to use view into the network and endpoint vulnerabilities
- Unique threat score system correlates weighted threats with users to prioritize investigations

FortiConverter Service

FortiConverter Service provides hassle-free migration to help organizations transition from a wide range of legacy firewalls to FortiGate Next-Generation Firewalls quickly and easily. The service eliminates errors and redundancy by employing best practices with advanced methodologies and automated processes. Organizations can accelerate their network protection with the latest FortiOS technology.



FortiGuard Services

FortiGuard AI-Powered Security

FortiGuard's rich suite of security services counter threats in real time using Al-powered, coordinated protection designed by FortiGuard Labs security threat researchers, engineers, and forensic specialists.

Web Security

Advanced cloud-delivered URL, DNS (Domain Name System), and Video Filtering providing complete protection for phishing and other web born attacks while meeting compliance.

Additionally, its dynamic inline CASB (Cloud Access Security Broker) service is focused on securing business SaaS data, while inline ZTNA traffic inspection and ZTNA posture check provide per-sessions access control to applications. It also integrates with the FortiClient Fabric Agent to extend protection to remote and mobile users.

Content Security

Advanced content security technologies enable the detection and prevention of known and unknown threats and file-based attack tactics in real-time. With capabilities like CPRL (Compact Pattern Recognition Language), AV, inline Sandbox, and lateral movement protection make it a complete solution to address ransomware, malware, and credential-based attacks.

Device Security

Advanced security technologies are optimized to monitor and protect IT, IIoT, and OT (Operational Technology) devices against vulnerability and device-based attack tactics. Its validated near-real-time IPS intelligence detects, and blocks known and zero-day threats, provides deep visibility and control into ICS/OT/SCADA protocols, and provides automated discovery, segmentation, and pattern identification-based policies.

Advanced Tools for SOC/NOC

Advanced NOC and SOC management tools attached to your NGFW provide simplified and faster time-to-activation.

SOC-as-a-Service

Includes tier-one hunting and automation, log location, 24×7 SOC analyst experts, managed firewall and endpoint functions, and alert triage.

Fabric Rating Security Best Practices

Includes supply chain virtual patching, up-to-date risk and vulnerability data to deliver quicker business decisions, and remediation for data breach situations.



Secure Any Edge at Any Scale

Powered by Security Processing Unit (SPU)

Traditional firewalls cannot protect against today's content- and connection-based threats because they rely on off-the-shelf hardware and general-purpose CPUs, causing a dangerous performance gap. Fortinet's custom SPU processors deliver the power you need—up to 520Gbps—to detect emerging threats and block malicious content while ensuring your network security solution does not become a performance bottleneck.

ASIC Advantage



Network Processor 7 NP7

Network Processors operate inline to deliver unmatched performance and scalability for critical network functions. Fortinet's breakthrough SPU NP7 network processor works in line with FortiOS functions to deliver:

- Hyperscale firewall, accelerated session setup, and ultra-low latency
- Industry-leading performance for VPN, VXLAN termination, hardware logging, and elephant flows



Content Processor 9 CP9

Content Processors act as co-processors to offload resource-intensive processing of security functions. The ninth generation of the Fortinet Content Processor, the CP9, accelerates resource-intensive SSL (including TLS 1.3) decryption and security functions while delivering:

- Pattern matching acceleration and fast inspection of real-time traffic for application identification
- IPS pre-scan/pre-match, signature correlation offload, and accelerated antivirus processing



FortiCare Services

Fortinet is dedicated to helping our customers succeed, and every year FortiCare Services help thousands of organizations get the most from our Fortinet Security Fabric solution. Our lifecycle portfolio offers Design, Deploy, Operate, Optimize, and Evolve services. Operate services offer device-level FortiCare Elite service with enhanced SLAs to meet our customer's operational and availability needs. In addition, our customized account-level services provide rapid incident resolution and offer proactive care to maximize the security and performance of Fortinet deployments.



Use Cases

Next Generation Firewall (NGFW)

- FortiGuard Labs' suite of AI-powered Security Services—natively integrated with your NGFW—secures web, content, and devices and protects networks from ransomware and sophisticated cyberattacks
- Real-time SSL inspection (including TLS 1.3) provides full visibility into users, devices, and applications across the attack surface
- Fortinet's patented SPU (Security Processing Unit) technology provides industry-leading high-performance protection



Segmentation

- Dynamic segmentation adapts to any network topology to deliver true end-to-end security—from the branch to the datacenter and across multi-cloud environments
- Ultra-scalable, low latency, VXLAN segmentation bridges physical and virtual domains with Layer 4 firewall rules
- Prevents lateral movement across the network with advanced, coordinated protection from FortiGuard Security Services detects and prevents known, zero-day, and unknown attacks



Secure SD-WAN

- FortiGate WAN Edge powered by one OS and unified security and management framework and systems transforms and secures WANs
- Delivers superior quality of experience and effective security posture for work-from-any where models, SD-Branch, and cloud-first WAN use cases
- Achieve operational efficiencies at any scale through automation, deep analytics, and self-healing



HyperScale

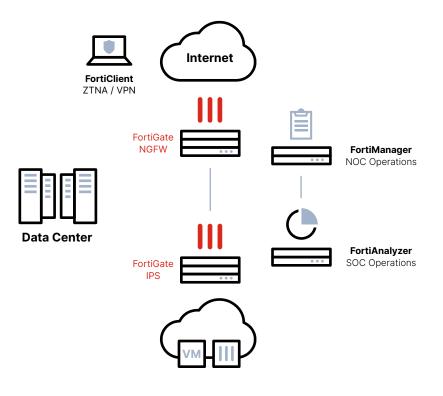
- Purpose-built SPUs power FortiOS to consolidate networking and security and deliver ultra-scalable Security-Driven Networks
- Unparalleled ultra-high performance offers the industry's highest number of connections and connections per second performance combined with security-enabled performance to safeguard business-critical applications
- Hardware assisted anti-DDoS prevents volumetric attacks and delivers strong security posture



Mobile Security for 4G, 5G, and IoT

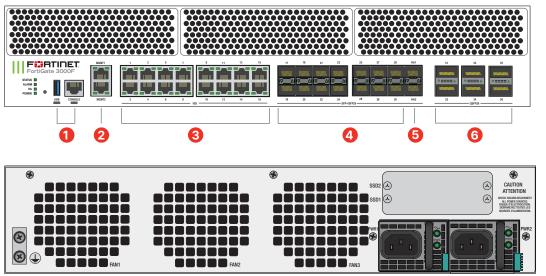
- SPU-accelerated, high performance CGNAT and IPv6 migration options, including: NAT44, NAT444, NAT64/ DNS64, NAT46 for 4G Gi/sGi, and 5G N6 connectivity and security
- RAN Access Security with highly scalable and highest-performing IPsec aggregation and control Security Gateway (SecGW)
- User plane security enabled by full threat protection and visibility into GTP-U inspection

Datacenter Deployment (NGFW, IPS, Segmentation)



Hardware

FortiGate 3000F Series



Hardware Features



Hyperscale Firewall License

This perpetual license empowers organizations by unlocking further performance boosts. The Hyperscale Firewall License enables the hardware acceleration of CGNAT features by utilizing Fortinet's patented SPU NP7. These features include hardware session setup, firewall session logging, and NAT.

Trusted Platform Module (TPM)

The FortiGate 3000F Series features a dedicated module that hardens physical networking appliances by generating, storing, and authenticating cryptographic keys. Hardware-based security mechanisms protect against malicious software and phishing attacks.

100 GE Connectivity for Network

High-speed connectivity is essential for network security segmentation at the core of data networks. The FortiGate 3000F series provides multiple 100 GE QSFP28 slots, simplifying network designs without relying on additional devices to bridge desired connectivity.

Interfaces

- 1. 1 x USB and 1 x Console Port
- 2. 2 × 10 GE / GE RJ45 Management Ports
- 3. 16 × 10 GE / 5 GE / 2.5 GE / GE RJ45 Ports
- 4. 14 × 25 GE SFP28 / 10 GE SFP+ / GE SFP Slots
- 5. 2 × 25 GE SFP28 / 10 GE SFP+ / GE SFP HA Slots
- 6. 6 × 100 GE QSFP28 / 40 GE QSFP+ Slots

Specifications

	FG-3000F FG-3000F-DC	FG-3001F FG-3001F-DC			
Interfaces and Modules					
Hardware Accelerated 100 GE QSFP28 / 40 GE QSFP+ Slots	6				
Hardware Accelerated 25 GE SFP28 / 10 GE SFP+ / GE SFP Slots	16 (include 2x HA Slots)				
Hardware Accelerated 10 GE / 5 GE / 2.5 GE / GE RJ45 Ports	16				
10GE/ GE RJ45 Management Ports	2				
USB Ports (Client / Server)	1 / 1				
Console Port	1				
Onboard Storage	— 2× 1TB SSD				
Trusted Platform Module (TPM)	Yes				
Included Transceivers	2x SFP+ (SF	R 10 GE)			
System Performance — Enterprise Traffic Miz	x				
IPS Throughput ²	36 Gb	ps			
NGFW Throughput ^{2,4}	34 Gb				
Threat Protection Throughput ^{2,5}	33 Gbps				
System Performance and Capacity					
IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP)	397 / 389 / 221 Gbps				
IPv6 Firewall Throughput (1518 / 512 / 86 byte, UDP)	397/ 389/ 2	21 Gbps			
Firewall Latency (64 byte, UDP)	3.92 µs				
Firewall Throughput (Packet per Second)	331.5 M	pps			
Concurrent Sessions (TCP)	70 Million / 23	0 Million**			
New Sessions/Second (TCP)	870 000 / 3	Million**			
Firewall Policies	200 000				
IPsec VPN Throughput (512 byte) ¹	105 Gbps				
Gateway-to-Gateway IPsec VPN Tunnels	40 000				
Client-to-Gateway IPsec VPN Tunnels	200 000				
SSL-VPN Throughput ⁶	11 Gbps				
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)	30 000				
SSL Inspection Throughput (IPS, avg. HTTPS) ³	29 Gbps				
SSL Inspection CPS (IPS, avg. HTTPS) ³	29 000				
SSL Inspection Concurrent Session (IPS, avg. HTTPS) ³	7.5 Million				
Application Control Throughput (HTTP 64K) ²	115 Gbps				
CAPWAP Throughput (HTTP 64K)	65 Gbps				
Virtual Domains (Default / Maximum)	10 / 500				
Maximum Number of FortiSwitches Supported	300				
Maximum Number of FortiAPs (Total / Tunnel)	4096 / 2048				
Maximum Number of FortiTokens	20 000				
	Active-Active, Active-Passive, Clustering				

Note: All performance	values are	"up to"	and vary	depending	on system	configuration.
1 IDeee V/DNI nerferme				050		

¹ IPsec VPN performance test uses AES256-SHA256.

 $^{\rm 2}$ IPS (Enterprise Mix), Application Control, NGFW and Threat Protection are measured with Logging enabled.

 $^{\scriptscriptstyle 3}$ SSL Inspection performance values use an average of HTTPS sessions of different cipher suites.

⁴ NGFW performance is measured with Firewall, IPS and Application Control enabled.

- $^{\scriptscriptstyle 5}$ Threat Protection performance is measured with Firewall, IPS, Application Control and Malware Protection enabled.
- ⁶ Uses RSA-2048 Certificate.

FG-3001F FG-3001F-DC

38.2 lbs (17.3 kg)

420 W / 690 W

2356 BTU/h

FG-3000F FG-3000F-DC

37.3 lbs (16.9 kg)

425 W / 680 W

2321 BTU/h

3.5 × 17.44 × 21.89

88.9 × 443 × 556

Rack Mount, 2 RU

100-240V AC, 50/60 Hz

12A@100V, 9A@240V

48-60VDC

12A@100V, 9A@240V

Yes (Default dual AC PSU for 1+1 Redundancy)

80Plus Compliant

32°-104°F (0°-40°C)

-31°-158°F (-35°-70°C) 5% to 90% non-condensing

69 dBA

Front to Back Up to 10 000 ft (3048 m)

FCC Part 15 Class A, RCM, VCCI,

CE, UL/cUL, CB

USGv6/IPv6

lustering	
lastering	
iration.	
	⁴ NGFW performance is measu

Dimensions and Power Height x Width x Length (inches)

Power Consumption

AC Power Supply AC Current (Maximum)

DC Power Supply

Heat Dissipation

DC Current (Maximum)

Redundant Power Supplies (Hot Swappable)

Operating Temperature Storage Temperature

Humidity Noise Level

Forced Airflow

Compliance

Certifications

Operating Altitude

Power Supply Efficiency Rating

* Requires Hyperscale Firewall License

Operating Environment and Certifications

(Average / Maximum)

Weight

Height x Width x Length (mm)

Form Factor (supports EIA/non-EIA standards)

Ordering Information

Product	SKU	Description
FortiGate 3000F	FG-3000F	6 × 100GE QSFP28 slots , 16 × 10GE SFP+/25GE SFP28 slots (including 14x ports, 2x HA ports), 18x 10G Base-T (including 2x MGMT ports), SPU NP7 and CP9 hardware accelerated, and 2 AC power supplies.
FortiGate 3000F-DC	FG-3000F-DC	6 × 100GE QSFP28 slots , 16 × 10GE SFP+/25GE SFP28 slots (including 14x ports, 2x HA ports), 18x 10G Base-T (including 2x MGMT ports), SPU NP7 and CP9 hardware accelerated, and 2 DC power supplies.
FortiGate 3001F	FG-3001F	6×100 GE QSFP28 slots , 16×10 GE SFP+/25GE SFP28 slots (including 14x ports, 2x HA ports), 18x 10G Base-T (including 2x MGMT ports), SPU NP7 and CP9 hardware accelerated, 2 TB SSD onboard storage, and 2 AC power supplies.
FortiGate 3001F-DC	FG-3001F-DC	6 × 100GE QSFP28 slots , 16 × 10GE SFP+/25GE SFP28 slots (including 14x ports, 2x HA ports), 18x 10G Base-T (including 2x MGMT ports), SPU NP7 and CP9 hardware accelerated, 2 TB SSD onboard storage, and 2 DC power supplies.
Optional Accessories/Spares	SKU	Description
Rack Mount Sliding Rails	SP-FG3040B-RAIL	Rack mount sliding rails for FG-1000C/-DC, FG-1200D, FG-1500D/DC, FG-3040B/-DC, FG-3140B/- DC, FG-3240C/-DC, FG-3000D/-DC, FG-3000/ 3001F, FG-3100D/-DC, FG-3200D/-DC, FG- 3400/3401E, FG3600/3601E, FG-3700D/-DC, FG-3700DX, FG-3810D/-DC and FG-3950B/-DC.
AC Power Supply	SP-FG3800D-PS	AC power supply for FG-2200/2201E, FG-3000/ 3001F, FG-3300/3301E, FG-3400/3401E, FG- 3500/3501F, FG3600/3601E, FG-3700D, FG-3700D-NEBS, FG-3700DX, FG-3810D and FG-3815D.
DC Power Supply	SP-FG3800D-DC-PS	DC power supply for FG-3000/3001F, FG-3000/3001F-DC, FG-3400/3401E-DC, FG-3600E-DC, FG-3700D-DC, FG-3700D-DC-NEBS, FG-3810D-DC, FG-3815D-DC
1 GE SFP LX Transceiver Module	FN-TRAN-LX	1 GE SFP LX transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP RJ45 Transceiver Module	FN-TRAN-GC	1 GE SFP RJ45 transceiver module for all systems with SFP and SFP/SFP+slots.
1 GE SFP SX Transceiver Module	FN-TRAN-SX	1 GE SFP SX transceiver module for all systems with SFP and SFP/SFP+ slots.
10 GE SFP+ RJ45 Transceiver Module	FN-TRAN-SFP+GC	10 GE SFP+ RJ45 transceiver module for systems with SFP+ slots.
10 GE SFP+ Transceiver Module, Short Range	FN-TRAN-SFP+SR	10 GE SFP+ transceiver module, short range for all systems with SFP+ and SFP/SFP+ slots.
10 GE SFP+ Transceiver Module, Long Range	FN-TRAN-SFP+LR	10 GE SFP+ transceiver module, long range for all systems with SFP+ and SFP/SFP+ slots.
10 GE SFP+ Transceiver Module, Extended Range	FN-TRAN-SFP+ER	10 GE SFP+ transceiver module, extended range for all systems with SFP+ and SFP/SFP+ slots.
10GE SFP+ Transceiver Module, 30km Long Range	FN-TRAN-SFP+BD27	10GE SFP+ transceiver module, 30km long range single BiDi for systems with SFP+ and SFP/SFP+ slots (connects to FN-TRAN-SFP+BD33, ordered separately)
10GE SFP+ Transceiver Module, (connects to FN- TRAN-SFP+BD27, ordered separately)	FN-TRAN-SFP+BD33	10GE SFP+ transceiver module, 30km long range single BiDi for systems with SFP+ and SFP/SFP+ slots (connects to FN-TRAN-SFP+BD27, ordered separately)
10 GE SFP+ Active Direct Attach Cable, 10m / 32.8 ft	SP-CABLE-ADASFP+	10 GE SFP+ active direct attach cable, 10m / 32.8 ft for all systems with SFP+ and SFP/SFP+ slots.
25 GE SFP28 Transceiver Module, Short Range	FN-TRAN-SFP28-SR	25 GE SFP28 transceiver module, short range for all systems with SFP28 slots.
25 GE SFP28 Transceiver Module, Long Range	FN-TRAN-SFP28-LR	25 GE SFP28 transceiver module, long range for all systems with SFP28 slots.
40 GE QSFP+ Transceiver Module, Short Range	FN-TRAN-QSFP+SR	40 GE QSFP+ transceiver module, short range for all systems with QSFP+ slots.
40 GE QSFP+ Transceiver Module, Short Range BiDi	FG-TRAN-QSFP+SR-BIDI	40 GE QSFP+ transceiver module, short range BiDi for all systems with QSFP+ slots.
40 GE QSFP+ Transceiver Module, Long Range	FN-TRAN-QSFP+LR	40 GE QSFP+ transceiver module, long range for all systems with QSFP+ slots.
100 GE QSFP28 Transceivers, Short Range	FN-TRAN-QSFP28-SR	100 GE QSFP28 transceivers, 4 channel parallel fiber, short range for all systems with QSFP28 slots.
100 GE QSFP28 Transceivers, Long Range	FN-TRAN-QSFP28-LR	100 GE QSFP28 transceivers, 4 channel parallel fiber, long range for all systems with QSFP28 slots.
100 GE QSFP28 Transceivers, CWDM4	FN-TRAN-QSFP28-CWDM4	100 GE QSFP28 transceivers, LC connectors, 2KM for all systems with QSFP28 slots.
100 GE QSFP28 BIDI transceiver module	FN-TRAN-QSFP28-BIDI	100 GE QSFP28 BIDI transceiver module, short range, for systems with QSFP28 slots

Subscriptions

		A-la-carte	Bundles			
Service Category	Service Offering		Enterprise Protection	Unified Threat Protection	Advanced Threat Protection	
Security Services	FortiGuard IPS Service	•	•	•	•	
	FortiGuard Anti-Malware Protection (AMP) — Antivirus, Mobile Malware, Botnet, CDR, Virus Outbreak Protection and FortiSandbox Cloud Service	•	•	•	•	
	FortiGuard Web Security — URL and web content, Video and Secure DNS Filtering	•	•	•		
	FortiGuard Anti-Spam		•	•		
	FortiGuard IoT Detection Service	•	•			
	FortiGuard Industrial Security Service	•	•			
	FortiCloud AI-based Inline Sandbox Service ¹	•				
NOC Services	FortiGate Cloud (SMB Logging + Cloud Management)	•				
	FortiGuard Security Fabric Rating & Compliance Monitoring Service	•	•			
	FortiConverter Service	•	•			
	FortiGuard SD-WAN Underlay Bandwidth and Quality Monitoring Service	٠				
SOC Services	FortiAnalyzer Cloud	•				
	FortiAnalyzer Cloud with SOCaaS	•				
Hardware and Software Support	FortiCare Essentials	•				
	FortiCare Premium	•	•	•	•	
	FortiCare Elite	•				
Base Services	FortiGuard Application Control					
	FortiCloud ZTNA Inline CASB Service ¹					
	Internet Service (SaaS) DB Updates					
	GeoIP DB Updates	included with FortiCare Subscription				
	Device/OS Detection Signatures					
	Trusted Certificate DB Updates					
	DDNS (v4/v6) Service					

1. Available when running FortiOS 7.2



FortiGuard Bundles

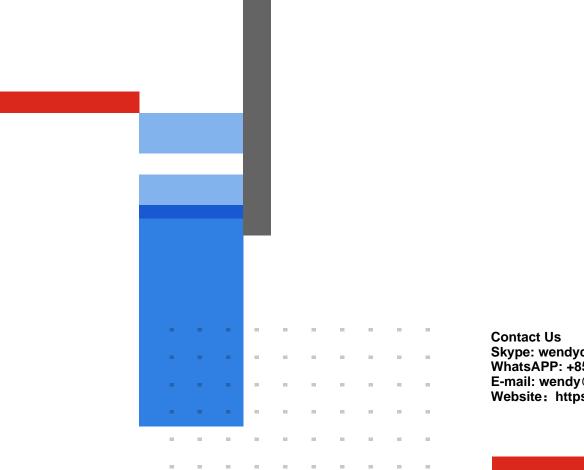
FortiGuard Labs delivers a number of security intelligence services to augment the FortiGate firewall platform. You can easily optimize the protection capabilities of your FortiGate with one of these FortiGuard Bundles.

FortiCare Elite

FortiCare Elite services offers enhanced service-level agreements (SLAs) and accelerated issue resolution. This advanced support offering provides access to a dedicated support team. Single-touch ticket handling by the expert technical team streamlines resolution. This option also provides Extended End-of-Engineering-Support (EoE's) of 18 months for added flexibility and access to the new FortiCare Elite Portal. This intuitive portal provides a single unified view of device and security health.

Fortinet CSR Policy

Fortinet is committed to driving progress and sustainability for all through cybersecurity, with respect for human rights and ethical business practices, making possible a digital world you can always trust. You represent and warrant to Fortinet that you will not use Fortinet's products and services to engage in, or support in any way, violations or abuses of human rights, including those involving illegal censorship, surveillance, detention, or excessive use of force. Users of Fortinet products are required to comply with the Fortinet EULA and report any suspected violations of the EULA via the procedures outlined in the Fortinet Whistleblower Policy.



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