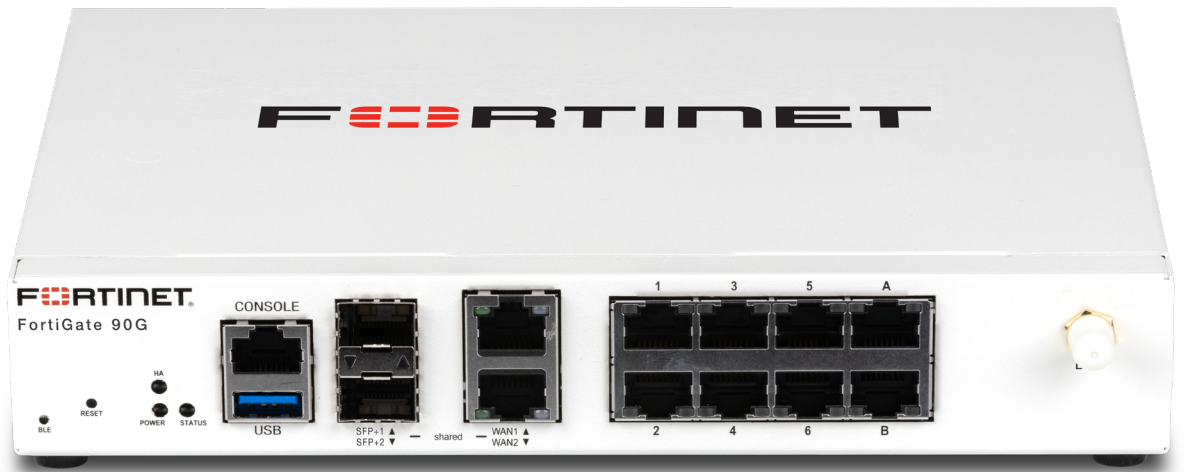


FortiGate 90Gseries

FortiGate 90G



Yes light

Gartner® Magic Quadrant:
network fire
wall andSD-WANboth parts of
At the gate, the leader's1located in
attached

security driven net
working:FortiOSby
networking and security
Due to the convergence of
realization

Unparalleled performance:
Fortinet patent granted
DoneSoCby processor
realization

Enterprise security:
AI/MLIntegration using
FortiGuardRealized by service

Simplify operations:network
King and Security Unit
Management, automation, in-depth analysis,
Achieved by self-healing

NGFW(next generation firewall) and SD-WAN convergence of FortiGate

90Gseries Next Generation Firewalls for Distributed Enterprises

Building security-driven networks at bases and all
scale ofWANIdeal for architectural transformation

is.

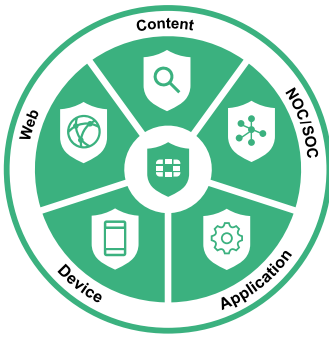
AI/MLA wealth ofFortiGuardThe combination of security services and integrated Security Fabric
platform provides collaborative, automated, end-to-end threat protection for any use case.

FortiGate teeth,SD-WANandZTNA(Zero Trust Network Access)NGFWintegrated into1Horn OSIt is the
industry's first solution that works withFortiGate 90Gprovides a seamless, optimized, and consistent
user experience by automatically controlling, validating, and facilitating user access to applications.

IPS	NGFW	threat protection	interface
4.5 Gbps	2.5 Gbps	2.2Gbps	pluralGbE RJ45,10GbE RJ45, SFP+ shared media port

Gartner, Magic Quadrant for Network Firewalls, Rajpreet Kaur, Adam Hills, Tom Lintemuth, 19 December 2022. Gartner, Magic Quadrant for SD-WAN, Jonathan Forest, Naresh Singh, Andrew Lerner, Karen Brown, 12 September 2022.

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FortiGuardservice

FortiGuard AI Utilization security

FortiGuard Our extensive security services are FortiGuard Labs Designed by security threat researchers, engineers, and forensic specialists from A.I. Provides real-time protection from threats using coordinated protection powered by

Web Security

URL, DNS (Domain Name System), provides advanced video filtering from the cloud to prevent phishing and other Web It helps you achieve compliance while providing complete protection against attacks that occur through your network.

Additionally, dynamic inline CASB (Cloud Access Security Broker) service is a business SaaS Powerful support for data protection and inline ZTNA traffic inspection and ZTNA It provides posture checking and per-session access control to applications. FortiClient Integration with Fabric Agent extends protection to remote and mobile users.

content security

Advanced content security technology enables real-time detection and prevention of known and unknown threats and file-based attack tactics. CPRL (Compact Pattern Recognition Language), antivirus, inline sandboxing, lateral movement protection, and more to create a complete solution that protects against ransomware, malware, and credential-based attacks.

device security

Advanced security technology IT, IoT, O.T. (Operational Technology) Optimized for device monitoring and protection against vulnerabilities and device-based attack tactics with near real-time validation IPS Enables intelligence to detect and block known and zero-day threats, ICS/OT/SCADA It provides granular visibility and control of protocols and provides automatic detection, segmentation, and pattern identification-based policies.

SOC/NOCAvanced tools for

NGFW installed on NOC/SOCAvanced management tools make activation simple and fast.

SOCaaS (SOC-as-a-Service)

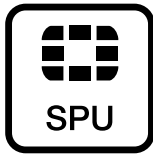
Tier 1 hunting and automation, log location, twenty four time 365 day SOCAvanced Analyst Expert plus features and alert triage for managed firewalls and endpoints.

Fabric Rating Security Best Practices

Virtual supply chain patching, along with the latest risk and vulnerability data, enables faster business decision-making and remediation in the event of a data breach.



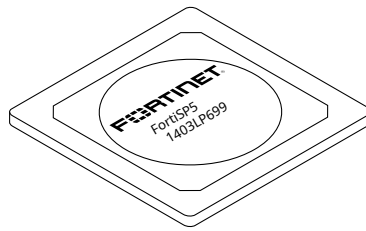
Protect any edge at any scale



SPU Equipped with (security processing unit)

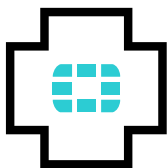
Traditional firewalls are commercially available hardware or general-purpose CPU dependence on organizations creates dangerous performance gaps and fails to protect enterprises from today's content-based/connection-based threats. Fortinet's own SPU Processor is up to 520 Gbps of processing power to detect new threats and block malicious content, while ensuring that your network security solution does not become a performance bottleneck.

ASIC advantage of



secure SD-WAN ASIC SP5

- RISC architecture system CPU and Fortinet's own SPU (Security Processing Unit) content/network processor for unparalleled performance
- Increase operational efficiency with the industry's fastest application identification and steering
- IPsec VPN Faster speeds provide a top-class user experience for direct access to the Internet
- best in class NGFW High performance with security and details SSL Achieving the ideal combination of inspections
- Extend security to the access layer while consolidating and accelerating connections between switches and access points. SD enabling transformation to achieve branching



FortiCare service

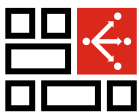
Fortinet is committed to supporting our customers. FortiCare Our services are used by thousands of organizations each year to help them get the most out of their Security Fabric solutions. Fortinet's lifecycle portfolio provides services to help you design, deploy, operate, optimize, and evolve. Operational services are provided at the device level. FortiCare Elite high service SLA We offer this service to meet your operational and availability needs. Additionally, customized account-level services provide rapid incident resolution and proactive care to maximize the security and performance of your Fortinet deployment.

Use Case



next generation firewall(NGFW)

- FortiGuard Labs of A.I.A suite of security services that utilize NGFW with native integration of Web, content, devices, and protect your network from ransomware and advanced cyberattacks.
- real time SSL inspection (TLS 1.3) provides complete visibility into the attack surface for users, devices, and applications
- Fortinet Patented SPU (Security Processing Unit) technology provides industry-leading high-performance protection



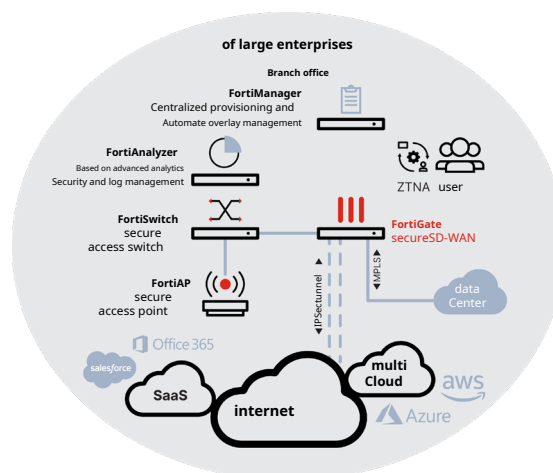
secure SD-WAN

- FortiGate WAN at the edge, 1 Horn OS By adopting a unified security and management framework and systems, WAN Transform and protect your
- A high-quality user experience and an effective security posture. Work From Anywhere (a way of working that is not tied to location) model, SD branch, cloud first WAN Achieved with use cases of
- Streamline operations at any scale with automation, deep analysis, and self-healing



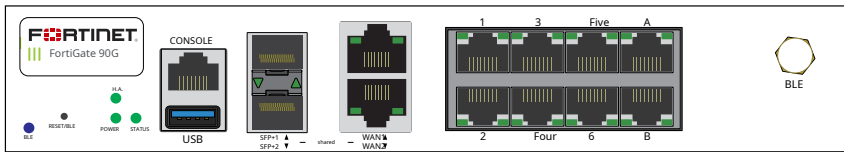
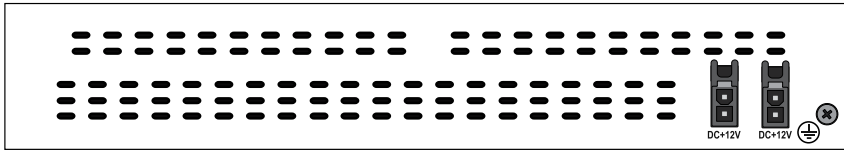
Universal ZTNA

- Enable uniform enforcement of access policies by controlling access to applications hosted anywhere by users anywhere
- Extensive authentication, checks, and policy enforcement always performed before granting access to applications
- FortiClient agent-based access by BYOD Enables agentless access via proxy portal for



hardware

FortiGate 90G



1

2

3

interface

- 1.1 x RJ45 Management console / 1 x USB management port
- 2.2x 10/5/2.5/GbE RJ45 or 10GbE/GbE SFP+/SFP shared media port
- 3.8 x GbE RJ45 port

Hardware features



Compact and reliable form factor

Ideal for small environments, the compact design form factor easily accommodates desktop installation or wall mounting. Although the design is small and lightweight, it has an excellent mean time between failures (MTBF), making it possible to minimize the occurrence of network failures.



Technical specifications

FortiGate 90G	
interfaces and modules	
10/5/2.5/GbE RJ45 or 10GbE/GbE SFP+/SFP shared media port	2
GbE RJ45 Built-in interface	8
wireless interface	—
USB port	1
RJ45 Management console port	1
built-in storage	—
trusted platform module (TPM)	○
Bluetooth Low Energy (BLE)	○
System performance*—Enterprise traffic mix	
IPS throughput ₂	4.5 Gbps
NGFW throughput _{2,4}	2.5 Gbps
Threat protection throughput ₅	2.2 Gbps
System performance	
firewall throughput (1518 / 512 / 64 Part-Time Job UDP packet)	28/28/27.9 Gbps
firewall latency (64 Part-Time Job UDP packet)	3.23 μs
Firewall throughput (packet/seconds)	41.85 Mpps
Firewall concurrent sessions (TCP)	1.5M
firewall new session/seconds (TCP)	124,000
firewall policy	5,000
IPSec VPN throughput (512 Part-Time Job) ¹	25 Gbps
Between gateways IPSec VPN tunnel	200
client-Between gateways IPSec VPN tunnel	2,500
SSL-VPN throughput ₆	1.4 Gbps
simultaneous SSL-VPN user (Recommended maximum value, tunnel mode)	200
SSL Inspection throughput (IPS, avg. HTTPS) ₃	2.6 Gbps
SSL inspection CPS (IPS, avg. HTTPS) ₃	1,400
SSL Inspection concurrent sessions (IPS, avg. HTTPS) ₃	300,000
Application controlled throughput (HTTP 64K) ₂	6.7 Gbps
CAPWAP throughput (HTTP 64K)	23.6 Gbps
virtuality UTM (VDOM: standard/maximum)	10/10
FortiSwitch Support number	twenty four
FortiAP Number of support (total/tunnel mode)	96/48
FortiToken Support number	500
High availability (H.A.)	active/active, Active/passive, clustering

FortiGate 90G	
size	
height*width*depth	42 x 216 x 178 mm
weight	1.12 kg
shape	desktop
Operating environment/Compliant standards/certifications	
Rated input	12V DC, 5A (redundant power supply)
Power supply (optional redundancy)	100~240VAC, 50~60Hz (2×external DC power supply) (1 includes two adapters)
Power efficiency index	80 Plus Compliant with standards
Power supply (optional redundancy)	100~240VAC, 50~60Hz (2×external DC power supply) (1 includes two adapters)
maximum current	115V AC/0.4A, 230VAC/0.2A
Power consumption (average/maximum)	19.9W/20.53W
heat dissipation	70.0 BTU/h
operating temperature	0~40°C
storage temperature	-35~70°C
humidity	Ten~90% (No condensation)
noise level	21.73dBA
Operating altitude	the best 3,048 m
Compliant standards/certifications	F.C.C., ICES, C.E., R.C.M., VCCI, BSMI, UL/cUL, C.B.
Certification	USGv6/IPv6

Note: All numbers are "maximum" performance values and will vary depending on system configuration.

¹IPSec VPN The performance is AES256-SHA256 is measured using.

²IPS (enterprise traffic mix), application control, NGFW and Threat Protection throughput is measured with logging enabled.

³SSL Inspection performance using multiple different cipher suites HTTPS Average values for sessions are listed.

⁴Four NGFW Performance is a firewall, IPS Measured with and application control enabled.

⁵Five Threat protection performance includes firewall, IPS, application control, and protection against malware were enabled.

⁶RSA-2048 I'm using a certificate.



subscription

Service category	Services provided	a la carte	bundle		
			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 ¹	•	•		
	FortiGuard Industrial Security Service	•	•		
	FortiCloud AI-based Inline Sandbox Service ³	•			
N.O.C.service	FortiGate Cloud (SMB Logging + Cloud Management)	•			
	FortiGuard Security Fabric Rating and Compliance Monitoring Service	•	•		
	FortiConverter Service	•	•		
	FortiGuard SD-WAN Underlay Bandwidth and Quality Monitoring Service	•			
SOCservice	FortiAnalyzer Cloud	•			
	FortiAnalyzer Cloud with SOCAAS	•			
hardware/software support	FortiCare Essentials	•			
	FortiCare Premium	•	•	•	
	FortiCare Elite	•			
Basic service	FortiGuard Application Control				
	FortiCloud ZTNA Inline CASB Service ³				
	Internet Service (SaaS) DB Updates				
	GeoIP DB Updates				FortiCare Included with subscription.
	Device/OS Detection Signatures				
	Trusted Certificate DB Updates				
	DDNS (v4/v6) Service				

1. FortiOS 6.4 Available if you are running

2. FortiOS 7.0 Available if you are running 3. FortiOS 7.2 Available if you are running



FortiGuard bundle

FortiGuard Labsteeth, FortiGate We offer a number of security intelligence services that can be used in conjunction with our firewall platform. Optimal Protection By choosing, FortiGate Easily optimize your protection.

FortiCare Elite

FortiCare Elite The service is SLA (Service Level Agreement) and support quick problem resolution. This advanced support service assigns a dedicated support team and a technical team of experts to handle tickets and streamline resolution. This option 18 months of EoE (Extended End-of-Engineering-Support) provides additional flexibility and new FortiCare Elite Portal. It also allows access to. This intuitive portal lets you keep track of your device and security status. 1 One unified view.

fortinet CSR policy

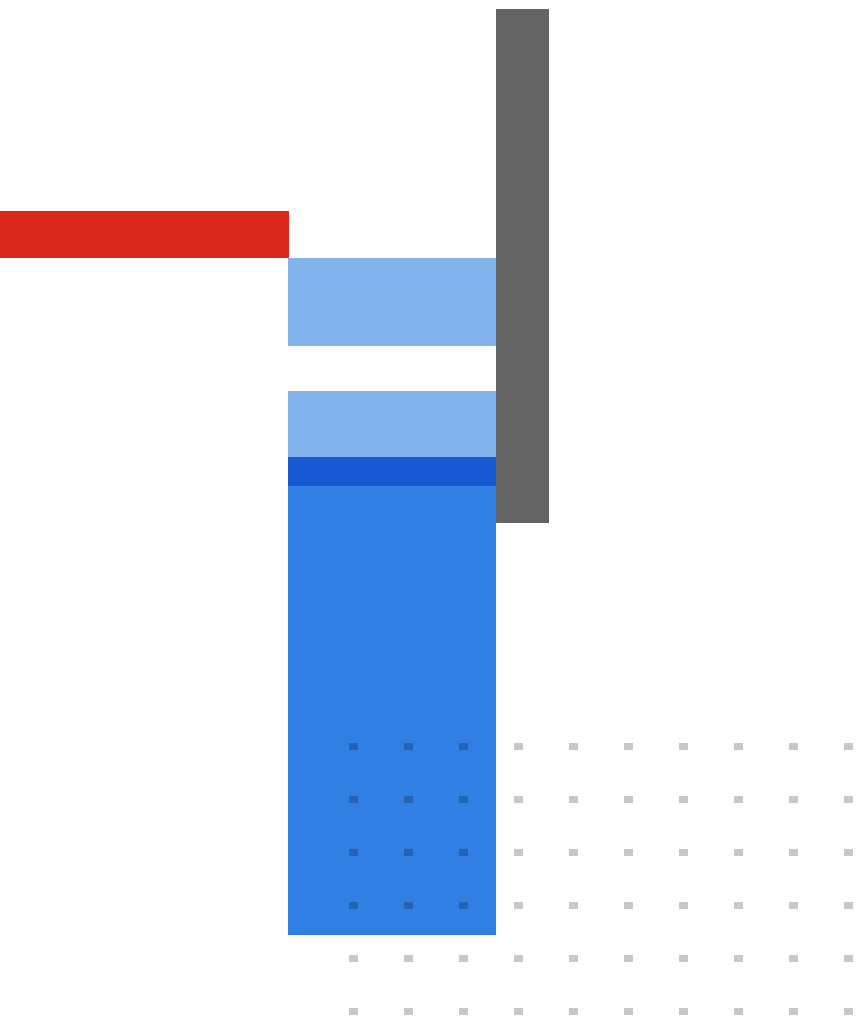
At Fortinet, we are committed to advancing progress and sustainability for all of our customers through cybersecurity, conducting business in an ethical manner that respects human rights, and enabling a digital world that can always be trusted. You agree that you will not use Fortinet products and services to engage in or in any way support violations or abuses of human rights, including unlawful censorship, surveillance, detention, or excessive use of force. You represent and warrant to Fortinet. When using Fortinet products, fortinet's EULA (End User License Agreement) Comply with EULA If you suspect that there is a violation of Fortinet Fraud Complaint Policy You must report using the steps outlined in .



Order information

Product	SKU	Description
FortiGate 90G	FG-90G	8 × GE RJ45 ports, 2 × 10GE RJ45/SFP+ shared media WAN ports.
Optional accessories		
AC Power Adapter	SP-FG60E-PDC-5	Pack of 5 AC power adapters for FG/FWF 60E/61E, FG/FWF 60F/61F, FG-80E/81E, FG-80F/81F, and FG-90G/91G.
Wall Mount Kit	SP-FG60F-MOUNT-20	Pack of 20 wall mount kits for FG/FWF-60F, FG-90G/91G and FG/FWF-80F series.
1GE SFP RJ45 Transceiver Module	FN-TRAN-GC	1 GE SFP RJ45 transceiver module for all systems with SFP and SFP/SFP+ slots.
1GE SFP SX Transceiver Module	FN-TRAN-SX	1 GE SFP SX transceiver module for all systems with SFP and SFP/SFP+ slots.
1GE SFP LX Transceiver Module	FN-TRAN-LX	1 GE SFP LX transceiver module for all systems with SFP and SFP/SFP+ slots.





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お問い合わせ