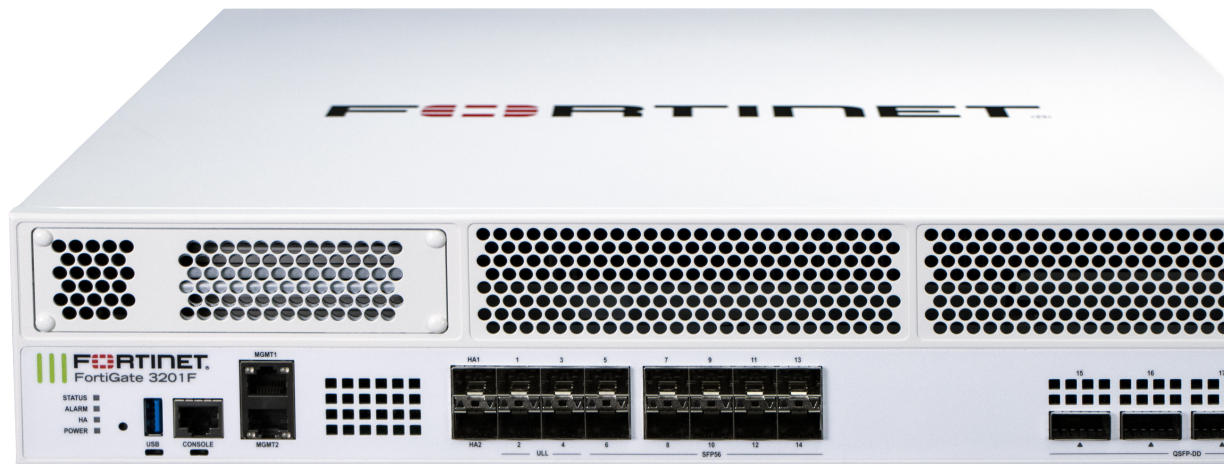


# FortiGate 3200F Series



## Highlights

**Leader in the Gartner® Magic Quadrant™** for Hybrid Mesh Firewall

**Secure networking** with FortiOS for converged networking and security

**Unparalleled performance** with Fortinet’s patented SPU and 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 3200F Series enables organizations to build security-driven networks, forming the foundation of a robust Hybrid Mesh Firewall architecture. This approach weaves security deep into their datacenter and across their hybrid IT environment, protecting any edge at any scale.

Powered by a rich set of AI/ML-based FortiGuard Services and an integrated security fabric platform, the FortiGate 3200F 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 3200F automatically controls, verifies, and facilitates user access to applications, delivering consistent convergence with a seamless user experience across your distributed network.

The industry’s first integrated zero-trust network access (ZTNA) enforcement within an NGFW solution, the FortiGate 3200F automatically controls, verifies, and facilitates user access to applications, reducing lateral threats by providing access only to validated users for seamless user experience.

IPS	NGFW	Threat Protection	Interfaces
63 Gbps	47 Gbps	45 Gbps	Multiple 400 GE QSFP-DD, 200GE QSFP56, 100 GE QSFP28, 50 GE SFP56, 40 GE QSFP+, 25 GE SFP28, 10 GE SFP+ slots, and 10 GE / GE RJ45 port

## 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, malware, zero days, and sophisticated AI-powered 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 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 data center 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 hybrid working models, SD-Branch, and cloud-first WAN use cases
- Achieve operational efficiencies at any scale through automation, deep analytics, and self-healing



### 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
- Radio access network security with highly scalable and highest-performing IPsec aggregation and control security gateway
- User plane security enabled by full threat protection and visibility into GTP-U inspection



Available in



Appliance



Virtual



Hosted



Cloud



Container

## FortiOS Everywhere

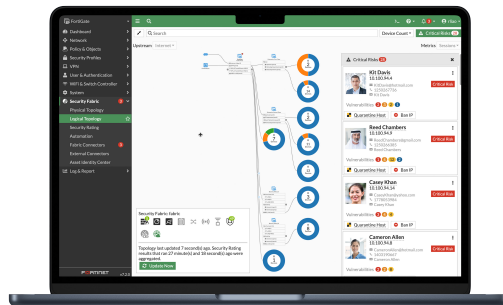
### FortiOS, Fortinet's Real-Time Quantum-Safe Network Security Operating System

FortiOS is Fortinet's natively AI-powered and quantum-safe operating system (OS) that powers the Fortinet Security Fabric platform, enabling enforcement of security policies and holistic visibility across the entire attack surface. It provides a unified framework for securing networks across on-premises, cloud, hybrid environments, and the convergence of IT, OT, and IoT.

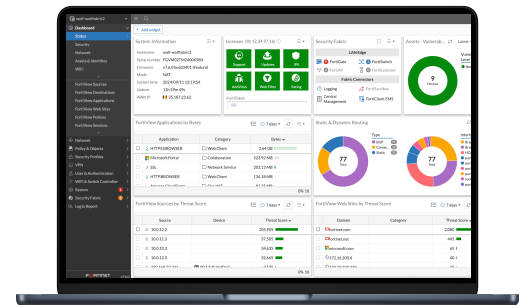
By converging networking and security functions into a single operating system, organizations can manage network and security more effectively to detect, investigate, and respond to incidents faster. This unified architecture simplifies operations, eliminates security silos, and allows organizations to scale securely without multiple tools or management complexity.

FortiOS also incorporates AI-driven capabilities that enhance threat detection, automate network activity analysis, and deliver more precise remediation guidance. Together, FortiGate firewalls and FortiOS provide intelligent, adaptive protection that reduces complexity, improves operational efficiency, and strengthens security across modern hybrid environments.

Learn more about what's new in FortiOS. <https://www.fortinet.com/products/fortigate/fortios>



*Intuitive easy to use view into the network and endpoint vulnerabilities*



*Comprehensive view of network performance, security, and system status*





## FortiGuard AI-Powered Security Services

FortiGuard AI-Powered Security Services is part of Fortinet's layered defense and tightly integrated into our FortiGate NGFWs and other products. Powered by real-time AI enhanced threat intelligence from FortiGuard Labs, these services protect organizations against modern attack vectors and threats, including zero days and evasive, sophisticated AI-powered attacks.

### Network and file security

Network and file security services protect against network and file-based threats. Consists of intrusion prevention system (IPS) which uses AI/ML models for deep packet/SSL inspection, detecting and blocking malicious content, uncovers hidden command-and-control activity, and applies virtual patches for newly discovered vulnerabilities. Application control improves security compliance and provides real-time visibility into applications and usage including generative AI (GenAI) applications.

### Web/DNS security

Web/DNS security services protect against DNS-based attacks, malicious URLs (including those in emails), and botnet communications. DNS filtering blocks the full spectrum of DNS-based attacks while URL filtering uses a database of millions of URLs to identify and block malicious links. Meanwhile, IP reputation and anti-botnet services guard against botnet activity and DDoS attacks.

### SaaS and data security

SaaS and data security services cover key security needs for application use and data protection. This service includes data loss/leakage prevention in files, GenAI applications and Images via OCR(optical character recognition). This ensures visibility, management, and protection (blocking exfiltration) of data in motion across networks, clouds, and users. The inline CASB service, secures SaaS applications in use, providing broad visibility and granular control over SaaS access, usage, and data.

### Zero-Day threat prevention

Zero-day threat prevention is achieved through AI-powered inline malware prevention to analyze file content to identify and block unknown and zero-day malware in real time, delivering sub-second protection across all NGFWs. Integrated into FortiGate NGFWs, the service provides comprehensive defense by blocking unknown threats, streamlining incident response, and reducing security overhead.

### Attack surface visibility and compliance

The FortiGuard Attack Surface Security Service provides continuous, compliance-ready monitoring of your Fortinet Security Fabric infrastructure. It calculates your overall security posture rating by scoring controls against vulnerabilities, misconfigurations, and sub-optimal settings, while offering specific remediation guidelines for devices found out of configuration. It maintains continuous compliance with PCI DSS, CIS Controls, and Fortinet security best practices.

### OT security

With over 2400 virtual patches, 1600+ OT applications, and 3500+ protocol rules, integrated OT security capabilities detect threats targeting OT infrastructure, perform vulnerability correlation, apply virtual patching, and utilize industry-specific protocol decoders for robust defense of OT environments and devices.



## FortiManager

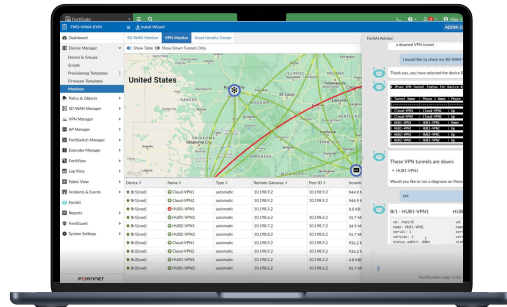
### AI-Powered, Automation-Driven, Enterprise-Class Centralized Management at Scale



FortiManager, powered by FortiAI-Assist, provides centralized, single-pane management for the Fortinet Security Fabric, unifying configuration, policy, and responses across thousands of devices. It converges networking and security management, enabling consistent policy enforcement across SD-WAN, ZTNA, SASE, and branch environments while delivering real-time visibility and automated network operations.

FortiAI-Assist helps with Day 0–1 provisioning and Day N troubleshooting and maintenance. AI agents collaborating via a unified Model Context Protocol (MCP) framework automates goal-driven tasks toward a self-healing operation.

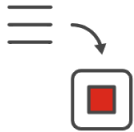
FortiManager integrates with FortiSOC for contextual insights and fabric-wise response. It also supports ecosystem integrations, and open APIs for extended automation. ADOM-based administration and FortiManager clusters enables resilient control across distributed networks.



*GenAI in FortiManager helps manage networks effortlessly—generates configuration and policy scripts, troubleshoots issues, and executes recommended actions.*

## FortiConverter Service

### Migration to FortiGate NGFW made easy



The FortiConverter Service provides hassle-free migration to help organizations transition quickly and easily from a wide range of legacy firewalls to FortiGate NGFWs. 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.

## FortiCare Services

### Expertise at your service



Fortinet prioritizes customer success through FortiCare Services, optimizing the Fortinet Security Fabric solution. Our comprehensive life-cycle services include Design, Deploy, Operate, Optimize, and Evolve. The FortiCare Elite, one of the service offerings, provides heightened SLAs and swift issue resolution with a dedicated support team. This advanced support option includes an extended end-of-engineering support of 18 months, providing flexibility and access to the intuitive FortiCare Elite portal for a unified view of device and security health, streamlining operational efficiency and maximizing Fortinet deployment performance.



## Fortinet ASICs: Unrivaled Security, Unprecedented Performance



### Powered by the only purpose-built SPU

Traditional firewalls cannot protect against today's content and connection-based threats because they rely on off-the-shelf general-purpose central processing units (CPUs), leaving a dangerous security gap. Fortinet's custom SPUs deliver the power you need to radically increase speed, scale, and efficiency while greatly improving user experience and reducing footprint and power requirements. Fortinet's SPUs deliver up to 520 Gbps of protected throughput to detect emerging threats and block malicious content while ensuring your network security solution does not become a performance bottleneck.

Fortinet ASICs are designed to be energy-efficient, leading to lower power consumption and improved TCO. They deliver industry-leading throughput, handle more traffic and perform security inspections faster, reduce latency for quicker packet processing and minimize network delays.

Fortinet SPUs are designed with integrated security functions like zero trust, SSL, IPS, and VXLAN to name but a few, dramatically improving the performance of these functions that competitors traditionally implement in software.

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### Network processor NP7

Network processors operate in line to deliver unmatched performance and scalability for critical network functions. Fortinet's breakthrough SPU NP7 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

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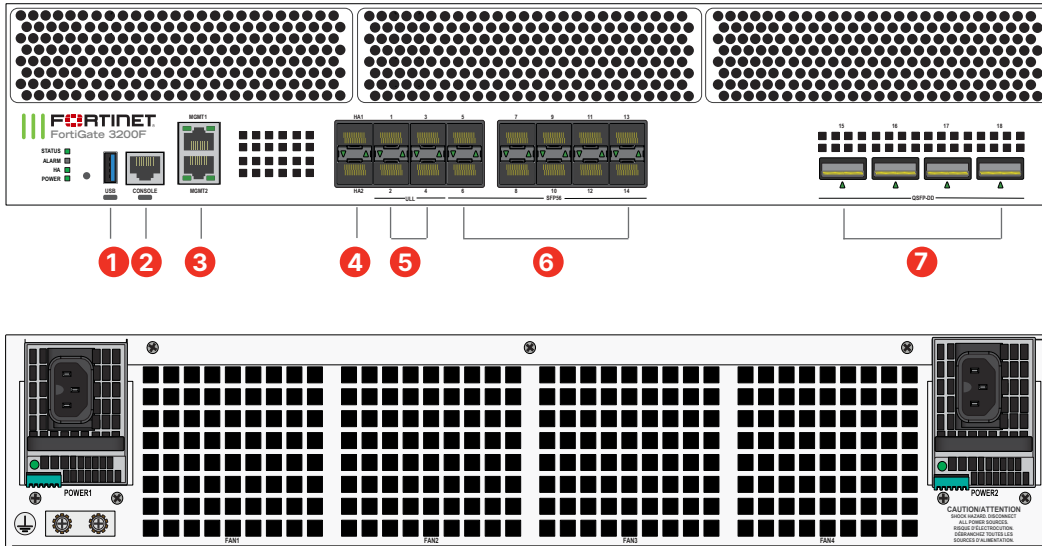
### Content processor CP9

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

# Hardware

## FortiGate 3200F Series



### Interfaces

1. 1 x USB Port
2. 1 x RJ45 Console Port
3. 2 × 10 GE / GE RJ45 Management Ports
4. 2 × 50 GE SFP56 / 25 GE SFP28 / 10 GE SFP+ HA1/HA2 Slots
5. 4 × 25 GE SFP28 / 10 GE SFP+ ULL Slots
6. 10 × 50 GE SFP56 / 25 GE SFP28 / 10 GE SFP+ / GE SFP Slots
7. 4 × 400 GE QSFP-DD / 200 GE QSFP56 / 100 GE QSFP28 / 40 GE QSFP+ Slots

### Hardware Features

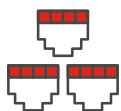


### Trusted Platform Module (TPM)



The FortiGate 3200F 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.

### 400 GE Connectivity for Network



High-speed connectivity is essential for network security segmentation at the core of data networks. The FortiGate 3200F provides multiple 400GE/200GE QSFP-DD slots, simplifying network designs without relying on additional devices to bridge desired connectivity.

## Specifications

	FG-3200F	FG-3201F
<b>Interfaces and Modules</b>		
Hardware Accelerated 400 GE QSFP-DD / 200 GE QSFP56 / 100 GE QSFP28 / 40 GE QSFP+ Ports		4
Hardware Accelerated 50 GE SFP56 / 25 GE SFP28 / 10 GE SFP+ / GE SFP Slots		10
Hardware Accelerated 25 GE SFP28 / 10 GE SFP+ / GE SFP ULL Slots		4
Hardware Accelerated 50 GE SFP56 / 25 GE SFP28 / 10 GE SFP+ HA1/HA2 Slots		2
10 GE / GE RJ45 Management Ports		2
USB 3.0 Port		1
Console RJ45 Port		1
Onboard Storage	NA	2x 960GB SSD
Trusted Platform Module (TPM)		☑
Bluetooth Low Energy (BLE)		☑
Signed Firmware Hardware Switch		—
Included Transceivers		2x SFP+ (SR 10 GE)
<b>System Performance — Enterprise Traffic Mix</b>		
IPS Throughput <sup>2</sup>		63 Gbps
NGFW Throughput <sup>2,4</sup>		47 Gbps
Threat Protection Throughput <sup>2,5</sup>		45 Gbps
<b>System Performance and Capacity</b>		
IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP)		387/385/178.5 Gbps
IPv6 Firewall Throughput (1518 / 512 / 86 byte, UDP)		387/385/178.5 Gbps
Firewall Latency (64 byte, UDP)		3.42 μs / 1.45 μs*
Firewall Throughput (Packet per Second)		267.75 Mpps
Concurrent Sessions (TCP)		70 Million
New Sessions/Second (TCP)		800 000
Firewall Policies		200 000
IPsec VPN Throughput (512 byte) <sup>1</sup>		105 Gbps
Gateway-to-Gateway IPsec VPN Tunnels		40 000
Client-to-Gateway IPsec VPN Tunnels		200 000
SSL-VPN Throughput		11 Gbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)		30 000
SSL Inspection Throughput (IPS, avg HTTPS) <sup>3</sup>		29 Gbps
SSL Inspection CPS (IPS, avg. HTTPS) <sup>3</sup>		30 000
SSL Inspection Concurrent Session (IPS, avg HTTPS) <sup>3</sup>		7.4 Million
Application Control Throughput (HTTP 64K) <sup>2</sup>		109 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
Maximum Number of Registered FortiClients		20 000
High Availability Configurations		Active-Active, Active-Passive, Clustering

Note: All performance values are “up to” and vary depending on system configuration.

<sup>1</sup> IPsec VPN performance test uses AES256-SHA256.

<sup>2</sup> IPS (Enterprise Mix), Application Control, NGFW and Threat Protection are measured with Logging enabled.

<sup>3</sup> SSL Inspection performance values use an average of HTTPS sessions of different cipher suites.



	FG-3200F	FG-3201F
<b>Dimensions and Power</b>		
Height x Width x Length (inches)	3.5 × 17.44 × 23.9	
Height x Width x Length (mm)	88.9 × 443 × 607.1	
Weight	43.9 lbs (20 kg)	45.5 lbs (20.7 kg)
Form Factor (supports EIA/non-EIA standards)	Rack Mount, 2RU	
AC Power Supply	100–240VAC, 60/50 Hz	
Power Consumption (Average / Maximum)	520W / 865 W	527 W / 870 W
Current (Maximum)	12@100V, 9A@240V	
Heat Dissipation	2955 BTU/h	2971 BTU/h
Redundant Power Supplies (Hot Swappable)	Yes (Default dual AC PSU for 1+1 Redundancy)	
Power Supply Efficiency Rating	80Plus Compliant	
<b>Operating Environment and Certifications</b>		
Operating Temperature	32°F to 104°F (0°C to 40°C)	
Storage Temperature	-31°F to 158°F (-35°C to 70°C)	
Humidity	5% to 90% non-condensing	
Noise Level	71 dBA	
Forced Airflow	Front to Back	
Operating Altitude	Up to 10 000 ft (3048 m)	
Compliance	FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB	
Certifications	USGv6/IPv6	

\* Latency based on Ultra Low Latency (ULL) ports.

<sup>4</sup> NGFW performance is measured with Firewall, IPS and Application Control enabled.

<sup>5</sup> Threat Protection performance is measured with Firewall, IPS, Application Control and Malware Protection enabled.

# Subscriptions

Service Category	Service Offering	A-la-carte	Bundles				
			Enterprise Protection	Unified Threat Protection	Advanced Threat Protection	SD-WAN	
FortiGuard Security Services	IPS — IPS, Malicious/Botnet URLs	•	•	•	•		
	Anti-Malware Protection (AMP)—AV, Botnet Domains, Mobile Malware, Virus Outbreak Protection, Content Disarm and Reconstruct <sup>1</sup> , AI-based Heuristic AV, FortiGate Cloud Sandbox	•	•	•	•		
	URL, DNS and Video Filtering — URL, DNS and Video <sup>1</sup> Filtering, Malicious Certificate	•	•	•			
	Anti-Spam		•	•			
	AI-based Inline Malware Prevention	•	•				
	Data Loss Prevention (DLP) <sup>2</sup>	•	•				
	Attack Surface Security — IoT Device Detection, IoT Vulnerability Correlation and Virtual Patching, Security Rating, Outbreak Check			•		•	
	OT Security—OT Device Detection, OT Vulnerability Correlation and Virtual Patching, OT Application Control and IPS <sup>2</sup>	•					
	Application Control			-----included with FortiCare Subscription-----			
Inline CASB <sup>1</sup>			-----included with FortiCare Subscription-----				
SD-WAN and SASE Services	SD-WAN SLA Database					•	
	SD-WAN Underlay and Application Monitoring Service					•	
	SD-WAN Overlay Orchestration Service					•	
	SD-WAN Connector for FortiSASE Secure Private Access					•	
	FortiSASE Starter Kit for n* Users <sup>3</sup>					•	
	FortiGate Cloud One Year Cloud-based Log Retention					•	
	FortiTelemetry Cloud					•	
NOC and SOC Services	FortiConverter Service for One Time Configuration Conversion	•	•				
	Managed FortiGate Service—Available 24x7, with Fortinet NOC Experts Performing Device Setup, Network, And Policy Change Management	•					
	FortiGate Cloud—Management, Analysis, and One Year Log Retention	•					
	FortiManager Cloud	•					
	FortiAnalyzer Cloud	•					
	FortiGuard SOCaas—24x7 Cloud-Based Managed Log Monitoring, Incident Triage, and SOC Escalation Service	•					
Hardware and Software Support	FortiCare Essentials	Desktop models only					
	FortiCare Premium	•	•	•	•	•	
	FortiCare Elite	•					
Base Services	Device/OS Detection, GeolPs, Trusted CA Certificates, Internet Services and Botnet IPs, DDNS (v4/v6), Local Protection, PSIRT Check, Anti-Phishing			-----included with FortiCare Subscription-----			

1. Not available for FortiGate/FortiWiFi 40F, 60E, 60F, 80E, and 90E series from 7.4.4 onwards. Not available for FortiGate/FortiWiFi 30G and 50G series in any OS build.

2. Full features available when running FortiOS 7.4.1.

3. Only supported on FortiGate models from the 100F onwards (F-series and all later series). See the [FortiSASE Ordering Guide](#) for supported models and corresponding user license allocations.

## FortiGuard AI-Powered Security Bundles for FortiGate



FortiGuard AI-Powered Security Bundles provide a comprehensive and meticulously curated selection of security services to combat known, unknown, zero-day, and emerging AI-based threats. These services are designed to prevent malicious content from breaching your defenses, protect against web-based threats, secure devices throughout IT/OT/IoT environments, and ensure the safety of applications, users, and data. All bundles include FortiCare Premium Services featuring 24x7x365 availability, one-hour response for critical issues, and next-business-day response for noncritical matters.



## Ordering Information

Product	SKU	Description
<b>Appliances</b>		
FortiGate 3200F	FG-3200F	4× 400 GE QSFP-DD slots, 4x ULL SFP28 ports, and 12× 50 GE SFP56 slots (including 10x ports, 2x HA ports), 2× 10GE RJ45 Management Ports, SPU NP7 and CP9 hardware accelerated, and 2 AC power supplies.
FortiGate 3201F	FG-3201F	4× 400 GE QSFP-DD slots, 4x ULL SFP28 ports, and 12× 50 GE SFP56 slots (including 10x ports, 2x HA ports), 2× 10GE RJ45 Management Ports, SPU NP7 and CP9 hardware accelerated, 2× 960GB SSD onboard storage, and 2 AC power supplies.
<b>Optional Accessories/Spares</b>		
Rack Mount Sliding Rails	SP-FG3040B-RAIL	Rack mount sliding rails for FG-1000C/-DC, FG-1100/1101E, FG-1200D, FG-1500D/-DC, FG-1800F, FG-2000E, FG-2500E, FG-2600F, FG-2601F, FG-3040B/-DC, FG-3140B/-DC, FG-3240C/-DC, FG-3000D/-DC, FG-3100D/-DC, FG-3200D/-DC, FG-3400/3401E, FG-3600/3601E, FG-3700D/-DC, FG-3700DX, FG-3810D/-DC, FG-3950B/-DC, FG-3200F, and FG-3201F
Spare Power Supply	SP-FG3800D-PS	AC power supply for FG-2200/2201E, FG-3000/3001F, FG-3200/3201F, FG-3300/3301E, FG-3400/3401E, FG-3500/3501F, FG-3600/3601E, FG-3700D, FG-3700D-NEBS, FG-3700DX, FG-3810D and FG-3815D, power cable SP-FGPCORHE-XX sold separately
<b>Transceiver Modules</b>		
1 GE SFP LX Transceiver Module	FN-TRAN-LX	1 GE SFP LX transceiver module for systems with SFP and SFP/SFP+ slots.
1 GE SFP RJ45 Transceiver Module	FN-TRAN-GC	1 GE SFP RJ45 transceiver module for systems with SFP and SFP/SFP+ slots.
1 GE SFP SX Transceiver Module	FN-TRAN-SX	1 GE SFP SX transceiver module for 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 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 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 systems with SFP+ and SFP/SFP+ slots.
10 GE SFP+ Transceiver Module, 30km Long Range	FN-TRAN-SFP+BD27	10 GE SFP+ transceiver module, 30km long range single BiDi for systems with SFP+ and SFP/SFP+ slots (connects to FN-TRAN-SFP+BD33, ordered separately).
10 GE SFP+ Transceiver Module, (connects to FN-TRAN-SFP+BD27, ordered separately)	FN-TRAN-SFP+BD33	10 GE 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+ Transceiver Module, 80KM extreme long range	FN-TRAN-SFP+ZR	10 GE SFP+ transceiver module, 80KM extreme long range for 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 systems with SFP28 slots.
25 GE SFP28 Transceiver Module, Long Range	FN-TRAN-SFP28-LR	25 GE SFP28 transceiver module, long range for systems with SFP28 slots.
40 GE QSFP+ Transceiver Module, Short Range	FN-TRAN-QSFP+SR	40 GE QSFP+ transceiver module, short range for 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 systems with QSFP+ slots.
40 GE QSFP+ Transceiver Module, Long Range	FN-TRAN-QSFP+LR	40 GE QSFP+ transceiver module, long range for systems with QSFP+ slots.
40 GE QSFP+ Transceiver Module	FN-TRAN-QSFP+ER	40 GE QSFP+ transceiver module, 40km extended range for systems with QSFP+/QSFP28 slots.
50 GE SFP56 Transceiver Module, short range for systems with SFP56 slots.	FN-TRAN-SFP56-SR	50 GE SFP56 transceiver module, short range for systems with SFP56 slots.
100 GE QSFP28 Transceiver Module, Short Range	FN-TRAN-QSFP28-SR	100 GE QSFP28 transceivers, 4 channel parallel fiber, short range for systems with QSFP28 slots.
100 GE QSFP28 Transceiver Module, Long Range	FN-TRAN-QSFP28-LR	100 GE QSFP28 transceivers, 4 channel parallel fiber, long range for systems with QSFP28 slots.
100 GE QSFP28 Transceiver Module, CWDM4	FN-TRAN-QSFP28-CWDM4	100 GE QSFP28 transceivers, LC connectors, 2KM for systems with QSFP28 slots.
100 GE QSFP28 BiDi Transceiver Module	FN-TRAN-QSFP28-BIDI	100 GE QSFP28 BiDi transceiver module, 100m MMF LC connector, for systems with QSFP28 slots.
100GE QSFP28 Transceiver Module	FN-TRAN-QSFP28-DR	100GE QSFP28 transceiver module, single channel single-mode fiber, 100GBase-DR for systems with QSFP28 slots.
100 GE QSFP28 Transceiver Module, extended long range	FN-TRAN-QSFP28-ER	100GE QSFP28 transceiver module, extended long range 20km for systems with QSFP28 slots.
200 GE QSFP56 Transceiver Module, 2km range	FN-TRAN-QSFP56-FR4	200 GE QSFP56 transceiver module, 2km range, for systems with QSFP56 slots.
200 GE QSFP56 Transceiver Module, short range, for systems with QSFP56 slots.	FN-TRAN-QSFP56-SR4	200 GE QSFP56 transceiver module, short range, for systems with QSFP56 slots.
400 GE QSFPDD Transceiver Module, 10km Range	FN-TRAN-QSFPDD-LR4	400 GE QSFPDD transceiver module, 10km range, SMF, for systems with QSFP-DD slots.
400 GE QSFPDD Transceiver Module, 2km Range	FN-TRAN-QSFPDD-FR4	400 GE QSFPDD transceiver module, 2km range, SMF, for systems with QSFP-DD slots.
400 GE QSFPDD Transceiver Module, 2km Range	FN-TRAN-QSFPDD-DR4+	400 GE QSFPDD transceiver module, 4-channel parallel fiber, 2km range, for systems with QSFPDD slots.
400 GE QSFPDD Transceiver Module, 4 Channel Parallel Fiber	FN-TRAN-QSFPDD-DR4	400 GE QSFPDD transceiver module, 4 channel parallel fiber, short range, for systems with QSFP-DD slots.
400 GE QSFPDD Transceiver Module, 8 Channel Parallel Fiber	FN-TRAN-QSFPDD-SR8	400 GE QSFPDD transceiver module, 8 channel parallel fiber, short range, for systems with QSFP-DD slots.



## Ordering Information

Product	SKU	Description
<b>Cables</b>		
25 GE SFP28 Passive Direct Attach Cable	FN-CABLE-SFP28-1	25 GE SFP28 passive direct attach cable 1m for systems with SFP28 slots.
25 GE SFP28 Passive Direct Attach Cable	FN-CABLE-SFP28-3	25 GE SFP28 passive direct attach cable 3m for systems with SFP28 slots.
25 GE SFP28 Passive Direct Attach Cable	FN-CABLE-SFP28-5	25 GE SFP28 passive direct attach cable 5m for systems with SFP28 slots.
50 GE SFP56 Passive Direct Attach Cable, 1m	FN-CABLE-SFP56-DAC-L1	50 GE SFP56 passive Direct Attach Cable, 1m 50 GE SFP56 passive Direct Attach Cable, 1m, for systems with SFP56 slots.
50 GE SFP56 Passive Direct Attach Cable, 2.5m	FN-CABLE-SFP56-DAC-LB5	50 GE SFP56 passive Direct Attach Cable, 2.5m 50 GE SFP56 passive Direct Attach Cable, 2.5m, for systems with SFP56 slots.
100 GE QSFP28 Passive Direct Attach Cable, 1m Range	FN-CABLE-QSFP28-1	100 GE QSFP28 passive direct attach cable, 1m range, for systems with QSFP28 slots.
200 GE QSFP56 Passive Direct Attach Cable, 1m	FN-CABLE-QSFP56-DAC-L1	200 GE QSFP56 passive Direct Attach Cable, 1m 200 GE QSFP56 passive Direct Attach Cable, 1m, for systems with QSFP56 slots.
200 GE QSFP56 Passive Direct Attach Cable, 2.5m	FN-CABLE-QSFP56-DAC-LB5	200 GE QSFP56 passive Direct Attach Cable, 2.5m 200 GE QSFP56 passive Direct Attach Cable, 2.5m, for systems with QSFP56 slots.
400 GE QSFPDD Active Optical Cable, 3m Range	FN-CABLE-QSFPDD-AOC-03	400 GE QSFPDD Active Optical Cable, 3m range, for systems with QSFP-DD slots.
400 GE QSFPDD Passive Direct Attach Cable, 1m	FN-CABLE-QSFPDD-DAC-01	400 GE QSFPDD passive Direct Attach Cable, 1m, for systems with QSFP-DD slots.
400 GE QSFPDD Passive Direct Attach Cable, 2.5m	FN-CABLE-QSFPDD-DAC-B5	400 GE QSFPDD passive Direct Attach Cable, 2.5m, for systems with QSFP-DD slots.

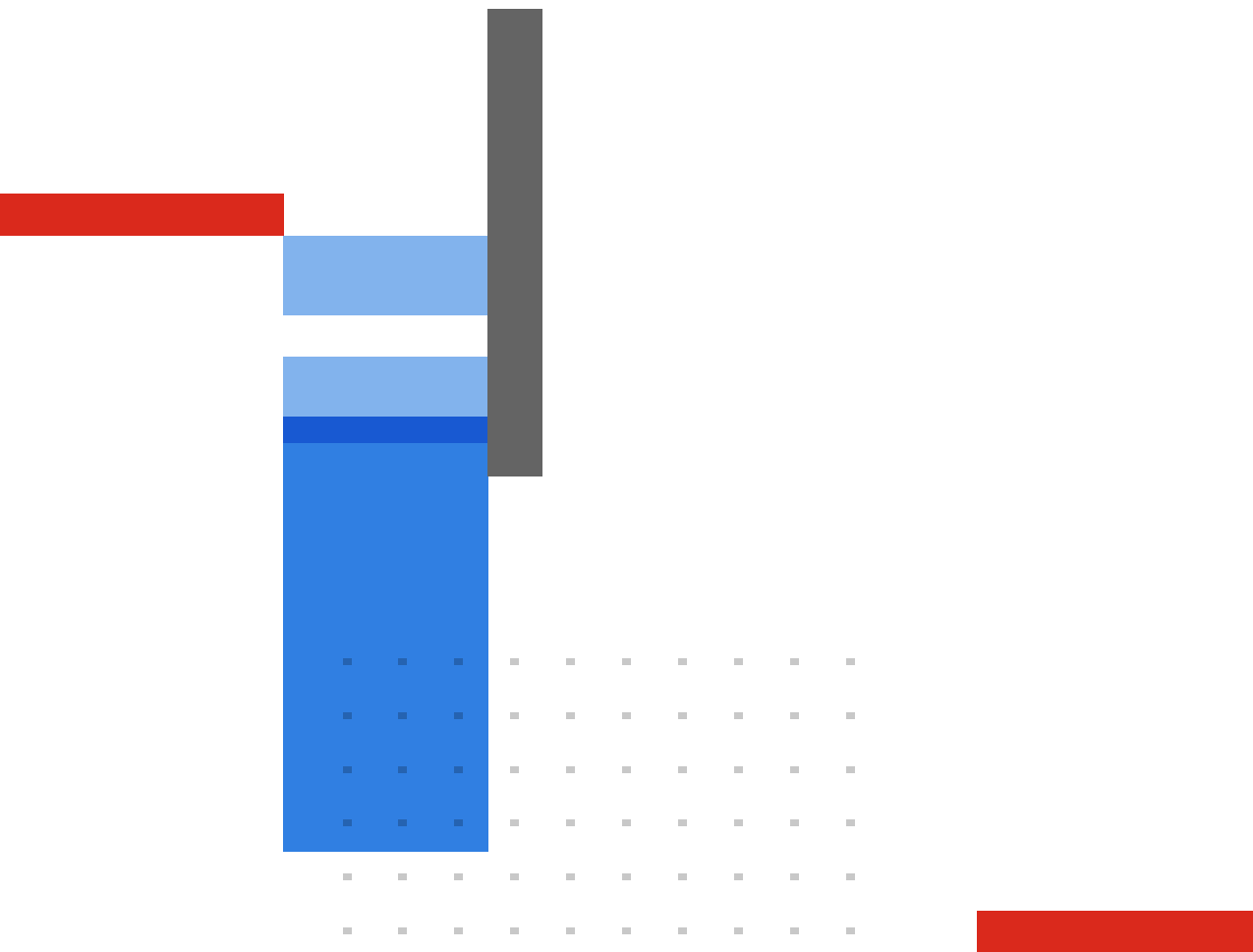
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