

# DATA SHEET

## FortiGate® 7000E Series

FG-7060E, FG-7040E, and FG-7030E



Next Generation Firewall  
Segmentation  
IPS  
Mobile Security

The FortiGate 7000E series delivers high performance next generation firewall (NGFW) capabilities for large enterprises and service providers. With multiple high-speed interfaces, high-port density, and high-throughput, ideal deployments are at the enterprise edge, hybrid data center core, and across internal segments. Leverage industry-leading IPS, SSL inspection, and advanced threat protection to optimize your network's performance. Fortinet's Security-Driven Networking approach provides tight network integration to the new security generation.

### 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 (VDMs) 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 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

Feature	FG-7060E-8/-9	FG-7040E-8/-9	FG-7030E
FIREWALL	630 Gbps	315 Gbps	155 Gbps
IPS	120 / 200 Gbps	60 / 100 Gbps	60 Gbps
NGFW	100 / 120 Gbps	50 / 60 Gbps	50 Gbps
THREAT PROTECTION	80 / 96 Gbps	40 / 48 Gbps	35 Gbps
NETWORK INTERFACES	Multiple 10 GE SFP+/SFP, 40 GE QSFP+, 100 GE CFP2/QSFP28	Multiple 10 GE SFP+/SFP, 40 GE/ 100 GE QSFP28	Multiple 10 GE SFP+/SFP, 40 GE/100 GE QSFP28

Refer to specification table for details

## DEPLOYMENT



### Next Generation Firewall (NGFW)

- Reduce the complexity and maximize your ROI by integrating threat protection security capabilities into a single high-performance network security appliance, powered by Fortinet's Security Processing Unit (SPU)
- Full visibility into users, devices, applications across the entire attack surface and consistent security policy enforcement irrespective of asset location
- Protect against network exploitable vulnerabilities with Industry-validated IPS security effectiveness, low latency and optimized network performance
- Automatically block threats on decrypted traffic using the Industry's highest SSL inspection performance, including the latest TLS 1.3 standard with mandated ciphers
- Proactively block newly discovered sophisticated attacks in real-time with AI-powered FortiGuard Labs and advanced threat protection services included in the Fortinet Security Fabric



### Segmentation

- Segmentation that adapts to any network topology, delivering end-to-end security from the branch level to data centers and extending to multiple clouds
- Reduce security risks by improving network visibility from the components of the Fortinet Security Fabric, which adapt access permissions to current levels of trust and enforce access control effectively and efficiently
- Delivers defense in depth security powered by high-performance L7 inspection and remediation by Fortinet's SPU, while delivering third party validated TCO of per protected Mbps
- Protects critical business applications and helps implement any compliance requirements without network redesigns



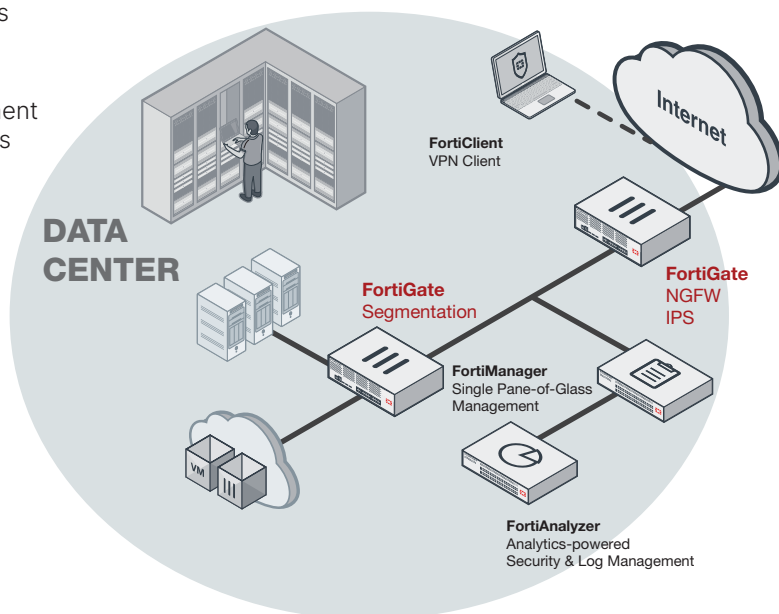
### IPS

- Purpose-built security processors delivering industry validated IPS performance with high throughput and low latency
- Deploy virtual patches at the network level to protect against network exploitable vulnerabilities and optimize network protection time
- Deep packet inspection at wire speeds offers unparalleled threat visibility into network traffic including traffic encrypted with the latest TLS 1.3
- Proactively block newly discovered sophisticated attacks in real-time with advanced threat protection provided by the intelligence services of the Fortinet Security Fabric



### Mobile Security for 4G, 5G, and IOT

- SPU accelerated, high performance CGNAT and IPv4 and IPv6 traffic, for 4G SGI LAN and 5G N6 security
- RAN Access Security with highly scalable and best performing IPsec aggregation and control security gateway (SecGW)
- User plane security enabled by full Threat Protection and visibility into GTP-U inspection
- 4G and 5G security for user and data plane traffic SCTP, GTP-U/C and SIP that provides protection against attacks
- 4G and 5G cores IoT signaling storm protection
- High-speed interfaces to enable deployment flexibility



**FortiGate 7000E Data Center Deployment  
(IPS/NGFW, Intent-based Segmentation)**

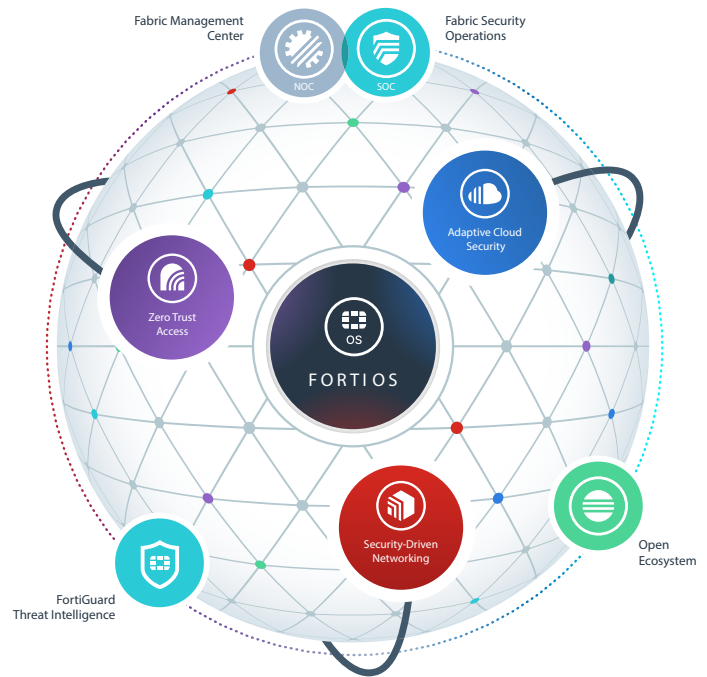
# FORTINET SECURITY FABRIC

## Security Fabric

The industry's highest-performing cybersecurity platform, powered by FortiOS, with a rich ecosystem designed to span the extended digital attack surface, delivering fully automated, self-healing network security.

- **Broad:** Coordinated detection and enforcement across the entire digital attack surface and lifecycle with converged networking and security across edges, clouds, endpoints, and users
- **Integrated:** Integrated and unified security, operation, and performance across different technologies, location, deployment options, and the richest ecosystem
- **Automated:** Context aware, self-healing network and security posture leveraging cloud-scale and advanced AI to automatically deliver near-real-time, user-to-application coordinated protection across the Fabric

The Fabric empowers organizations of any size to secure and simplify their hybrid infrastructure on the journey to digital innovation.



## FortiOS™ Operating System

FortiOS, Fortinet's leading operating system enable the convergence of high performing networking and security across the Fortinet Security Fabric delivering consistent and context-aware security posture across network endpoint, and clouds. The organically built best of breed capabilities and unified approach allows organizations to run their businesses without compromising performance or protection, supports seamless scalability, and simplifies innovation consumption.

The release of FortiOS 7 dramatically expands the Fortinet Security Fabric's ability to deliver consistent security across hybrid deployment models of Hardware, Software, and Software As-a-Service with SASE and ZTNA, among others.

## SERVICES

### FortiGuard™ Security Services

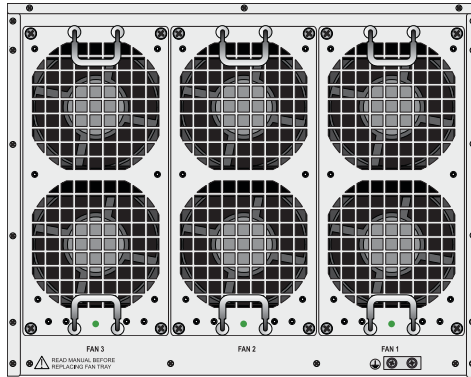
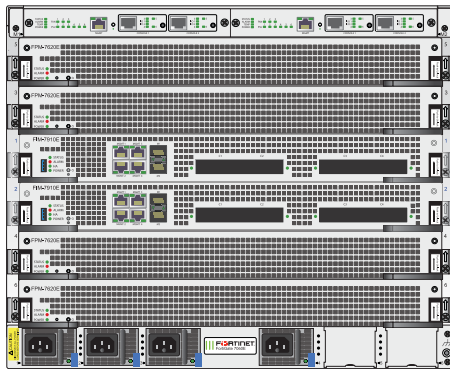
FortiGuard Labs offer real-time intelligence on the threat landscape, delivering comprehensive security updates across the full range of Fortinet's solutions. Comprised of security threat researchers, engineers, and forensic specialists, the team collaborates with the world's leading threat monitoring organizations and other network and security vendors, as well as law enforcement agencies.

### FortiCare™ Services

Fortinet is dedicated to helping our customers succeed, and every year FortiCare services help thousands of organizations get the most from their Fortinet Security Fabric solution. We have more than 1,000 experts to help accelerate technology implementation, provide reliable assistance through advanced support, and offer proactive care to maximize security and performance of Fortinet deployments.

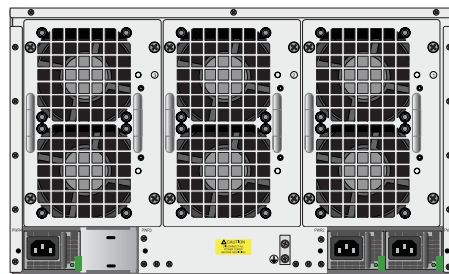
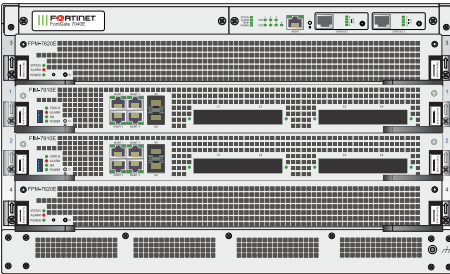


## HARDWARE



### FortiGate 7060E

Next Generation 8U 19-inch 6-slot rack mount chassis supporting up to 4x Fortinet Processor Modules (FPM) and 2x Fortinet Interface Modules (FIM).



### FortiGate 7040E and 7030E

The FG-7040E is a Next Generation 6U 19-inch 4-slot rack mount chassis with 2x Fortinet Processor Modules (FPM) and 2x Fortinet Interface Modules (FIM). The FG-7030E 3-slot rack mount chassis comes with 2x FPM and 1x bundled FIM.

FORTIGATE	7060E-8 / 7060E-9-(DC)*	7040E-8 / 7040E-9-(DC)	7030E
<b>Hardware Specifications</b>			
Fortinet Processor Module (FPM) Slots	4	2	2
Fortinet Interface Module (FIM) Slots	2	2	1
Shelf Manager	2	1	1
<b>System Performance and Capacity</b>			
Firewall Throughput (1518 / 512 / 64 byte, UDP)	630 / 630 / 340 Gbps	315 / 310 / 200 Gbps	155 / 155 / 155 Gbps
Firewall Latency (64 byte, UDP)	7.00 µs	7.00 µs	7.00 µs
Firewall Throughput (Packet per Second)	510 Mpps	300 Mpps	220 Mpps
Concurrent Sessions (TCP)	320 Million	160 Million	160 Million
New Sessions/Sec (TCP)	1.8 Million	950,000	900,000
Firewall Policies	200,000	200,000	200,000
IPsec VPN Throughput (512 byte)	100 Gbps	100 Gbps	40 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	16,000	16,000	16,000
Client-to-Gateway IPsec VPN Tunnels	64,000	64,000	64,000
SSL-VPN Throughput	15 Gbps	15 Gbps	15 Gbps
Concurrent SSL-VPN Users (Recommended Maximum)	48,000	48,000	48,000
IPS Throughput (Enterprise Mix) <sup>1</sup>	120 / 200 Gbps	60 / 100 Gbps	60 Gbps
SSL Inspection Throughput <sup>2</sup>	79.9 / 120 Gbps	39.9 / 60 Gbps	39.9 Gbps
SSL Inspection CPS (IPS, avg. HTTPS) <sup>3</sup>	47,000	32,500	32,500
SSL Inspection Concurrent Session (IPS, avg. HTTPS) <sup>3</sup>	24 Million	12 Million	12 Million
Application Control Throughput <sup>3</sup>	160 Gbps	80 Gbps	65 Gbps
NGFW Throughput <sup>4</sup>	100 / 120 Gbps	50 / 60 Gbps	50 Gbps
Threat Protection Throughput <sup>5</sup>	80 / 96 Gbps	40 / 48 Gbps	35 Gbps
CAPWAP Throughput	N/A	N/A	N/A
Virtual Domains (Default / Maximum)	10 / 500	10 / 500	10 / 500
Maximum Number of FortiSwitches Supported	256	256	256
Maximum Number of FortiAPs (Total / Tunnel Mode)	N/A	N/A	N/A
High Availability Configurations	A/A and A/P	A/A and A/P	A/A and A/P



## SPECIFICATIONS

FORTIGATE	7060E-8 / 7060E-9-(DC)*	7040E-8 / 7040E-9-(DC)	7030E
<b>Dimensions</b>			
Height x Width x Length (inches)	14.0 × 17.3 × 25.6	10.5 × 17.3 × 25.6	10.5 × 17.3 × 25.6
Height x Width x Length (mm)	355.6 × 440 × 651	266.7 × 440 × 650	266.7 × 440 × 650
Weight	210.2 lbs (95.4 kg)	153.3 lbs (69.6 kg)	134.9 lbs (61.3 kg)
Form Factor (supports EIA/non-EIA standards)	8 RU	6 RU	6 RU
<b>Power and Environment</b>			
Power Required	AC (configured with 4 PSUs in a 3+1 redundant configuration, an additional 2 PSUs can be added for additional redundancy)	AC (configured with 3 PSUs in a 2+1 redundant configuration, an additional PSU can be added for additional redundancy)	AC (configured with 3 PSUs in a 2+1 redundant configuration, an additional PSU can be added for additional redundancy)
Power Consumption (Maximum / Average) **	3277 / 2330 W	2500 / 1800 W	1940 / 1390 W
AC Current (Maximum)	12A@100V, 10A@240V	12A@100V, 10A@240V	12A@100V, 10A@240V
Heat Dissipation (Maximum) **	11,184 BTU/h	8,530 BTU/h	6,619 BTU/h
DC Power Supply	-48V DC	-48V DC	–
DC Current (Maximum)	30A per feed (3+3)	30A per feed (2+2)	–
Operating Temperature	32–104°F (0–40°C)	32–104°F (0–40°C)	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)	-31–158°F (-35–70°C)	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing	20–90% non-condensing	20–90% non-condensing
<b>Compliance</b>			
Certifications	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB

\* Performance specifications for FG-7060 are based on 4 FPM combination.

\*\* Based on all default included components.

Note: All performance values are "up to" and vary depending on system configuration. IPSec VPN performance is based on 512 byte UDP packets using AES-256+SHA1. 1. IPS performance is measured using 1 Mbyte HTTP and Enterprise Traffic Mix. 2. SSL Inspection is measured with IPS enabled and HTTP traffic, using TLS v1.2 with AES256-SHA. 3. Application Control performance is measured with 64 Kbytes HTTP traffic. 4. NGFW performance is measured with IPS and Application Control enabled, based on Enterprise Traffic Mix. 5. Threat Protection performance is measured with IPS and Application Control and Malware protection enabled, based on Enterprise Traffic Mix.

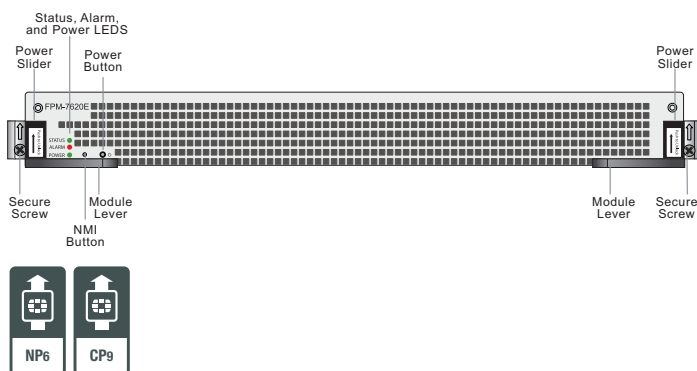
For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet.

## MODULES

### Fortinet Processor Module 7620E

The latest purpose-built SPU CP9 accelerated processor module with superior content processing throughput and protection. The device runs on FortiOS — the most powerful security operating system in the world.

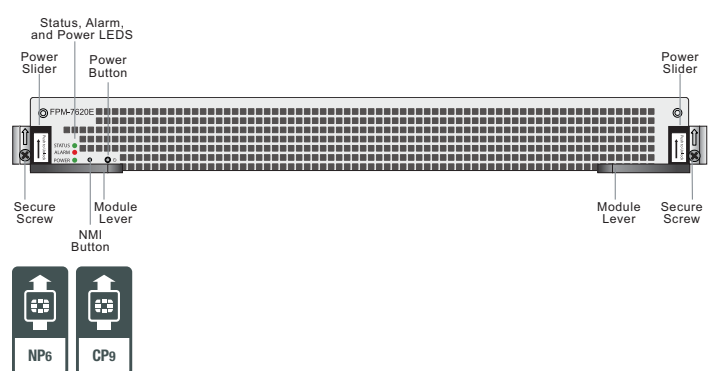
Power and Environment	FG-7620E
Power Consumption (Average / Maximum)	320 / 410 W
Heat Dissipation (Average)	1,395 BTU/h
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing
<b>Compliance</b>	
Certifications	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB



### Fortinet Processor Module 7630E

The latest purpose-built SPU CP9 accelerated processor module with superior content processing throughput and protection. The device runs on FortiOS — the most powerful security operating system in the world.

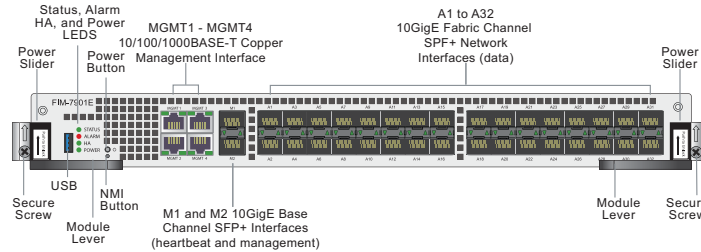
Power and Environment	FG-7630E
Power Consumption (Average / Maximum)	320 / 410 W
Heat Dissipation (Average)	1,395 BTU/h
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)
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<b>Compliance</b>	
Certifications	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB



## MODULES

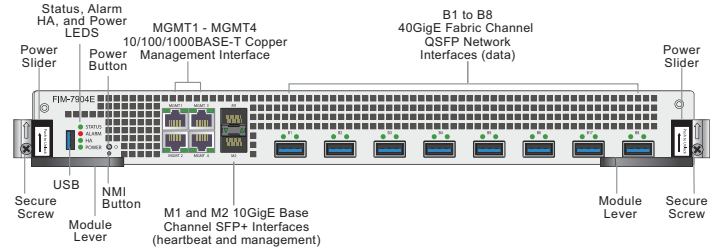
### Fortinet Interface Module 7901E

High-performance, SPU DP2 accelerated networking blade with 32x GE/10 GE SFP/+ slots.



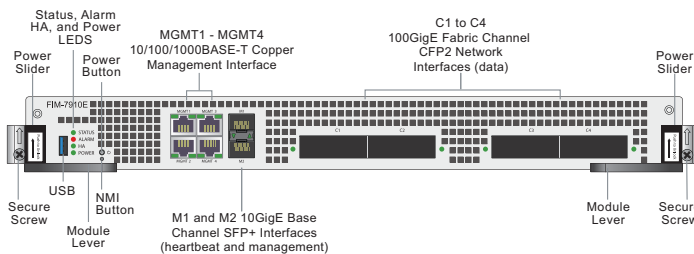
### Fortinet Interface Module 7904E

High-performance, SPU DP2 accelerated networking blade with 8x 40 GE QSFP+ slots.



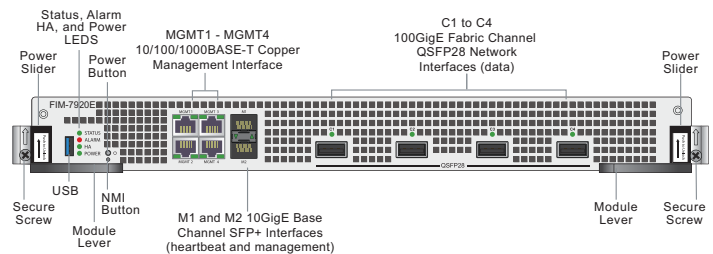
### Fortinet Interface Module 7910E

High-performance, SPU DP2 accelerated networking blade with 4x 100 GE CFP2 slots.



### Fortinet Interface Module 7920E

High-performance, SPU DP2 accelerated networking blade with 4x 100 GE QSFP28 slots.



	FIM-7901E	FIM-7904E	FIM-7910E	FIM-7920E
<b>Interfaces</b>				
<b>Network Interfaces</b>	32x GE/10 GE SFP/+	8x 40 GE QSFP+	4x 100 GE CFP2	4x 100 GE QSFP28
<b>Base Channel Interfaces</b>	2x 10 GE SFP+	2x 10 GE SFP+	2x 10 GE SFP+	2x 10 GE SFP+
<b>Management Interfaces</b>	4x GE RJ45	4x GE RJ45	4x GE RJ45	4x GE RJ45
<b>Included Transceivers</b>	2x SFP+ SR	2x SFP+ SR	2x SFP+ SR	2x SFP+ SR
<b>Power and Environment</b>				
<b>Power Consumption (Average / Maximum)</b>	260 / 450 W	260 / 450 W	260 / 450 W	410 / 460 W
<b>Heat Dissipation</b>	1531 BTU/h	1531 BTU/h	1531 BTU/h	1565 BTU/h
<b>Operating Temperature</b>	32–104°F (0–40°C)	32–104°F (0–40°C)	32–104°F (0–40°C)	32–104°F (0–40°C)
<b>Storage Temperature</b>	–31–158°F (–35–70°C)	–31–158°F (–35–70°C)	–31–158°F (–35–70°C)	–31–158°F (–35–70°C)
<b>Humidity</b>	20–90% non-condensing	20–90% non-condensing	20–90% non-condensing	20–90% non-condensing
<b>Compliance</b>				
<b>Certifications</b>	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB



## BUNDLE MATRIX

SKU	COMPONENTS					
Bundle	Chassis	Processing Module	I/O Module 1	I/O Module 2	Power Supplies	Services and Licenses
FG-7030E-SFP10G	FG-7030E (2x FPMs, 1x FIM)	2x FPM-7620E	Select from FIM-7901E-C, FIM-7904E-C, FIM-7910E-C, FIM-7920E-C	Select from FIM-7901E-C, FIM-7904E-C, FIM-7910E-C, FIM-7920E-C	3x PSU, 1x PSU Optional	
FG-7030E-QSFP28	FG-7030E (2x FPMs, 1x FIM)	2x FPM-7620E	Select from FIM-7901E-C, FIM-7904E-C, FIM-7910E-C, FIM-7920E-C	Select from FIM-7901E-C, FIM-7904E-C, FIM-7910E-C, FIM-7920E-C	3x PSU, 1x PSU Optional	Chassis-based pricing — Individual and bundled FortiGuard security services and FortiCare support subscription services: Threat Protection Bundle, UTM Bundle, Enterprise Bundle and FortiCare360
FG-7040E-8	FG-7040E (2x FPMs, 2x FIMs)	2x FPM-7630E	Select from FIM-7901E-C, FIM-7904E-C, FIM-7910E-C, FIM-7920E-C	Select from FIM-7901E-C, FIM-7904E-C, FIM-7910E-C, FIM-7920E-C	3x PSU, 1x PSU Optional	Chassis-based pricing — Add on licenses such as VDOM and Endpoint Compliance
FG-7060E-8	FG-7060E (2x FPMs, 2x FIMs)	2x FPM-7630E 2x FPM-7630E Optional	Select from FIM-7901E-C, FIM-7904E-C, FIM-7910E-C, FIM-7920E-C	Select from FIM-7901E-C, FIM-7904E-C, FIM-7910E-C, FIM-7920E-C	4x PSU, 2x PSU Optional	

NOTE: FIM-79XXE-C are only meant to be used with the FG7040E-8/FG-7040E-8-DC/FG7060E-8/FG7060E-8-DC Bundles. Please use FIM-79XXE for ordering spares.

## BUNDLES



### FortiGuard Bundle

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.

Bundles	Enterprise Protection	Unified Threat Protection	Advanced Threat Protection
FortiCare	24x7	24x7	24x7
FortiGuard App Control Service	•	•	•
FortiGuard IPS Service	•	•	•
FortiGuard Advanced Malware Protection (AMP) — Antivirus, Mobile Malware, Botnet, CDR, Virus Outbreak Protection and FortiSandbox Cloud Service	•	•	•
FortiGuard Web and Video <sup>1</sup> Filtering Service	•	•	
FortiGuard Antispam Service	•	•	
FortiGuard Security Rating Service	•		
FortiGuard IoT Detection Service	•		
FortiGuard Industrial Service	•		
FortiConverter Service	•		

1. Available when running FortiOS 7.0



## ORDER INFORMATION

PRODUCT	SKU	DESCRIPTION
<b>FortiGate 7030E-SFP10G</b>	FG-7030E-SFP10G	6U 3-slot chassis with 2x FPM-7620E processor modules, 1x FIM-7901E module with 32x 10 GE SFP+ slots, 1x manager module, and 3x hot swappable redundant PSU.
<b>FortiGate 7030E-QSFP28</b>	FG-7030E-QSFP28	6U 3-slot chassis with 2x FPM-7620E processor modules, 1x FIM-7920E module with 4x 100 GE QSFP28 slots, 1x manager module, and 3x hot swappable redundant PSU.
<b>FortiGate 7040E-8</b>	FG-7040E-8	6U 4-slot chassis with 2x FPM-7620E processor modules, 2x FIM-79xxE-C specified at purchase, 1x manager module and 3x hot swappable redundant PSU.
<b>FortiGate 7040E-8-DC</b>	FG-7040E-8-DC	6U 4-slot chassis with 2x FPM-7620E processor modules, 2x FIM-79xxE-C specified at purchase, 1x manager module and 3x hot swappable redundant DC PSU.
<b>FortiGate 7040E-9</b>	FG-7040E-9	6U 4-slot chassis with 2x FPM-7630E processor modules, 2x FIM-79xxE-C specified at purchase, 1x manager module and 3x hot swappable redundant PSU.
<b>FortiGate 7040E-9-DC</b>	FG-7040E-9-DC	6U 4-slot chassis with 2x FPM-7630E processor modules, 2x FIM-79xxE-C specified at purchase, 1x manager module and 3x hot swappable redundant DC PSU.
<b>FortiGate 7060E-8</b>	FG-7060E-8	8U 6-slot chassis with 2x FPM-7620E processor modules, 2x FIM-79xxE-C specified at purchase, 2x manager module and 4x hot swappable redundant PSU.
<b>FortiGate 7060E-8-DC</b>	FG-7060E-8-DC	8U 6-slot chassis with 2x FPM-7620E processor modules, 2x FIM-79xxE-C specified at purchase, 2x manager modules and 4x hot swappable redundant DC-DC PSU.
<b>FortiGate 7060E-9</b>	FG-7060E-9	8U 6-slot chassis with 2x FPM-7630E processor modules, 2x FIM-79xxE-C specified at purchase, 2x manager module and 4x hot swappable redundant PSU.
<b>FortiGate 7060E-9-DC</b>	FG-7060E-9-DC	8U 6-slot chassis with 2x FPM-7630E processor modules, 2x FIM-79xxE-C specified at purchase, 2x manager modules and 4x hot swappable redundant DC-DC PSU.
<b>FortiGate 7060E-DC Chassis</b>	FG-7060E-DC-Chassis	FG-7060E chassis including 2x system management modules, 3x fan modules and 4x DC PSU.
TRAINING		
<b>FortiGate Chassis-based Firewall Platform (FGT 7000) Training - 2 days</b>	FT-FGT-CHS	<ul style="list-style-type: none"> <li>- Course description: <a href="https://training.fortinet.com/local/staticpage/view.php?page=library_fortigate-7000-series">https://training.fortinet.com/local/staticpage/view.php?page=library_fortigate-7000-series</a></li> <li>- Upcoming sessions: <a href="https://training.fortinet.com/calendar/view.php/Course:FortiGate_7000_Series">https://training.fortinet.com/calendar/view.php/Course:FortiGate_7000_Series</a></li> <li>- Price includes lab access and course material (Lab and Study guides). Exam voucher not included.</li> </ul>

\* Each FIM is packed individually and comes with 2x 10 GE SFP+ SR transceivers at no charge.

NOTE: All optional/spare components are for replacement usage and should not be used to assemble a bundle as only bundles have the necessary subscriptions.





## ORDER INFORMATION

OPTIONAL / SPARE ITEMS	SKU	DESCRIPTION
<b>Processor Module</b>		
<b>FPM-7620E Module</b>	FPM-7620E	Hot swappable processor module for 7000E series — SPU NP6 and CP9 hardware accelerated.
<b>FPM-7630E Module</b>	FPM-7630E	Hot swappable processor module for 7000E series — SPU NP6 and CP9 hardware accelerated.
<b>I/O Module</b>		
<b>FIM-7901E Module*</b>	FIM-7901E	Hot swappable I/O module for 7000E series — 4x GE RJ45 management ports and 34x 10 GE SFP+ slots.
<b>FIM-7904E Module*</b>	FIM-7904E	Hot swappable I/O module for 7000E series — 4x GE RJ45 management ports, 2x 10 GE SFP+ slots and 8x 40 GE QSFP+.
<b>FIM-7910E Module*</b>	FIM-7910E	Hot swappable I/O module for 7000E series — 4x GE RJ45 management ports, 2x 10 GE SFP+ slots and 4x 100 GE CFP2 slots.
<b>FIM-7920E Module*</b>	FIM-7920E	Hot swappable I/O module for 7000E series — 4x GE RJ45 management ports, 2x 10 GE SFP+ slots and 4x 100 G QSFP28 slots.
<b>Transceivers</b>		
<b>1GE SFP RJ45 transceiver module</b>	FN-TRAN-GC	1GE SFP RJ45 transceiver module for all systems with SFP and SFP/SFP+ slots.
<b>1GE SFP SX transceiver module</b>	FN-TRAN-SX	1GE SFP SX transceiver module for all systems with SFP and SFP/SFP+ slots.
<b>1GE SFP LX transceiver module</b>	FN-TRAN-LX	1GE SFP LX transceiver module for all systems with SFP and SFP/SFP+ slots.
<b>10GE copper SFP+ RJ45 Transceiver (30m range)</b>	FN-TRAN-SFP+GC	10GE copper SFP+ RJ45 Fortinet Transceiver (30m range) for systems with SFP+ slots.
<b>10GE SFP+ transceiver module, short range</b>	FN-TRAN-SFP+SR	10GE SFP+ transceiver module, short range for all systems with SFP+ and SFP/SFP+ slots.
<b>10GE SFP+ transceiver module, long range</b>	FN-TRAN-SFP+LR	10GE SFP+ transceiver module, long range for all systems with SFP+ and SFP/SFP+ slots.
<b>10Gbase-ER SFP+ transceivers</b>	FN-TRAN-SFP+ER	10Gbase-ER SFP+ transceivers for FortiSwitch and FortiGate, 1550nm. Single Mode. 40km range for systems with SFP+ Slots.
<b>25GE SFP28 transceiver module, short range</b>	FN-TRAN-SFP28-SR	25GE/10GE Dual Rate SFP28 transceiver module, short range for all systems with SFP28/SFP+ slots.
<b>25GE SFP28 transceiver module, long range</b>	FN-TRAN-SFP28-LR	25GE SFP28 transceiver module, long range for all systems with SFP28 slots.
<b>40GE QSFP+ transceivers, short range</b>	FN-TRAN-QSFP+SR	40GE QSFP+ transceivers, short range for all systems with QSFP+ Slots.
<b>40GE QSFP+ transceivers, long range</b>	FN-TRAN-QSFP+LR	40GE QSFP+ transceivers, long range for all systems with QSFP+ Slots.
<b>100GE QSFP28 transceivers</b>	FN-TRAN-QSFP28-SR	100GE QSFP28 transceivers, 4 channel parallel fiber, short range for all systems with QSFP28 Slots.
<b>100 GE QSFP28 transceivers, long range</b>	FN-TRAN-QSFP28-LR	100 GE QSFP28 transceivers, 4 channel parallel fiber, long range for all systems with QSFP28 Slots.
<b>100 GE QSFP28 transceivers</b>	FN-TRAN-QSFP28-CWDM4	100 GE QSFP28 transceivers, LC connectors, 2KM for all systems with QSFP28 Slots.
<b>Power Supply</b>		
<b>Power Supply Module</b>	FG-7040E-PS-AC	1500W AC Power Supply for FG-7030E,FG-7040E, 6000F and FG-3900E series (not compatible for use with FG-7060E), does not include SP-FGPCORC15-XX power cord.
<b>Power Supply Module</b>	FG-7040E-PS-DC	1500W DC power supply module for FG-7040E-DC, FG-3960E-DC, and FG-3980E-DC.
<b>Power Supply Module</b>	FG-7060E-PS-AC	1500W AC Power Supply for FG-7060E, does not include SP-FGPCORC15-XX power cord.
<b>Power Supply Module</b>	FG-7060E-PS-DC	1500W DC/DC 48–72V 12V125A/5VSB4A, AFB, power supply modules for FG-7060E.
<b>Power Cord</b>	SP-FGPCORC15-XX	6 ft power cord, 15A125V XXX, PSE BLACK ROHS-6, for FG-3900E, 4000F, 6000F and 7000E/F Series

\* Each FIM is packed individually and comes with 2x 10 GE SFP+ SR transceivers at no charge.

NOTE: All optional/spare components are for replacement usage and should not be used to assemble a bundle as only bundles have the necessary subscriptions.



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