



**FortiGate® 3600C**  
World's Most Advanced  
Next Generation Firewall



## FortiGate 3600C

FortiGate 3600C and 3600C-DC

The FortiGate 3600C next generation firewall, with exceptional performance, deployment flexibility and security features, is designed to protect the most demanding network environments. Purpose-built by Fortinet, the FortiGate 3600C delivers superior performance through a combination of custom hardware, including FortiASIC™ processors, high port density, and consolidated security features from the FortiOS™ operating system.

Whether protecting your data center and network perimeter or deployed as part of a managed security service, the 30 high-speed ports and 60 Gbps of firewall throughput make the FortiGate 3600C next generation firewall ideal for securing high bandwidth networks.

### Security Beyond Next Generation Firewall

The FortiGate 3600C next generation firewall allows you to deploy the right blend of essential hardware-accelerated security technologies now and in the future to meet your evolving network requirements. These technologies include firewall, VPN, intrusion prevention and application control, all managed from a 'single pane of glass' management console.

Unlike other next generation firewalls, the FortiGate 3600C also includes additional security technologies such as antimalware, web content filtering and WAN optimization, allowing you to consolidate stand-alone devices. In addition, the FortiGate 3600C can be deployed as an enterprise-class wireless controller and endpoint security manager.

### Highlights

Firewall Performance	IPS Performance	Interfaces
60 Gbps	14 Gbps	Multiple 10 GE SFP+, GE SFP and GE RJ45

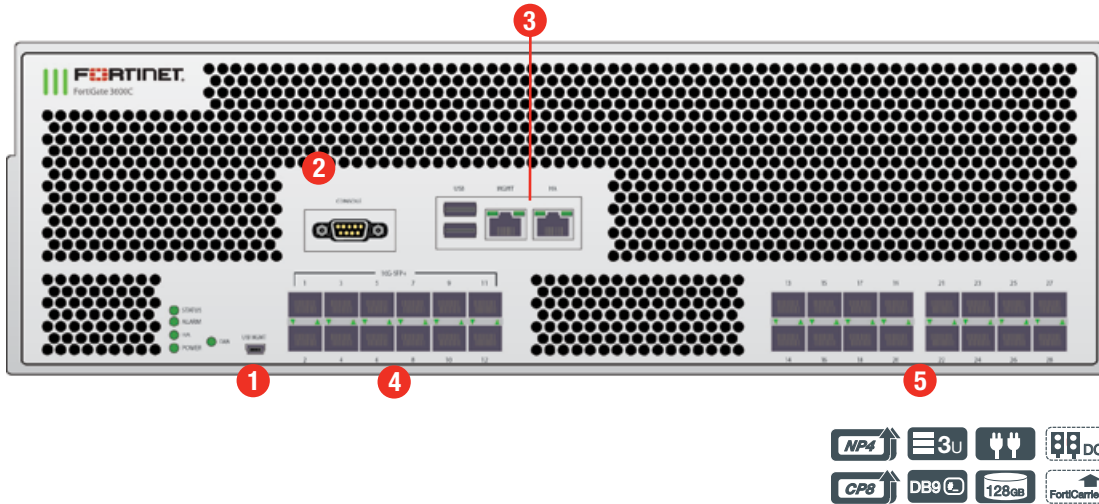
### Features & Benefits

- Industry-leading 10x data center firewall offers exceptional throughput and ultra-low latency
- Highly available and Virtual Domain (VDOM) support for multi-tenant data center environment
- Integrated high-speed 10 GE+ port delivers maximum flexibility and scalability
- Intuitive management interface enables broad and deep visibility and control
- NSS Labs Recommended consolidated security delivers top-rated protection



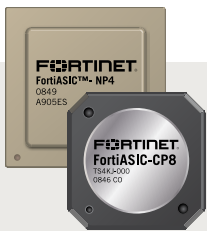
# HARDWARE

## FortiGate 3600C



### Interfaces

- |                                     |   |
|-------------------------------------|---|
| 1. USB Management Port              | 4. 12x 10 GE SFP+ Slots (2 SFP+ SR Transceivers Included) |
| 2. Console Port                     | 5. 16x GE SFP Slots                                       |
| 3. 2x GE RJ45 (Management/HA) Ports |   |



### Powered by FortiASICs

- Custom FortiASIC™ processors deliver the power you need to detect malicious content at multi-Gigabit speeds
- Other security technologies cannot protect against today's wide range of content- and connection-based threats because they rely on general-purpose CPUs, causing a dangerous performance gap
- FortiASIC processors provide the performance needed to block emerging threats, meet rigorous third-party certifications, and ensure that your network security solution does not become a network bottleneck

### Network Processor

FortiASIC NP4 network processor works inline with FortiOS functions delivering:

- Superior firewall performance for IPv4 traffic with ultra-low latency down to 3 microseconds
- VPN acceleration

### Content Processor

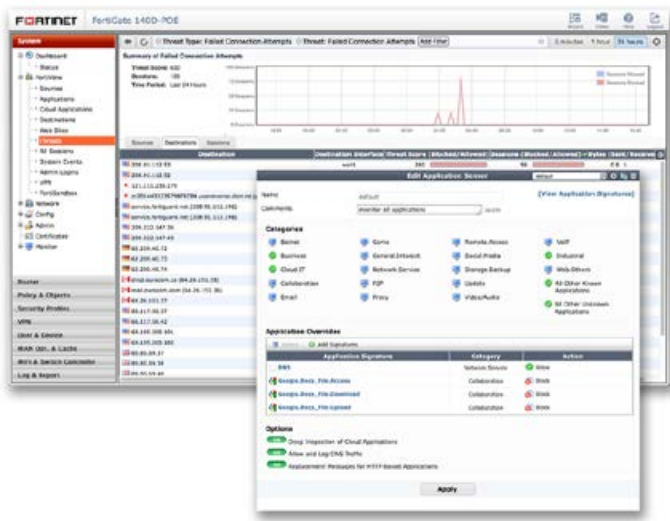
The FortiASIC CP8 content processor works outside of the direct flow of traffic, providing high-speed cryptography and content inspection services including:

- Signature-based content inspection acceleration
- Encryption and decryption offloading

### 10 GE Connectivity for Network Segmentation

High speed connectivity is essential for network security segmentation at the core of data networks. The FortiGate 3600C provides the highest 10 GE port densities in the market, simplifying network designs without relying on additional devices to bridge desired connectivity.

## SOFTWARE



FortiOS Management UI — FortiView and Application Control Panel

### FortiOS

FortiOS helps you protect your organization against advanced threats, configure and deploy your network security faster and see deep into what's happening inside your network. It enables organization to set up policies specific to types of devices, users and applications with industry-leading security capabilities. FortiOS leverages custom FortiASICs and the Optimum Path Processing architecture of FortiGate to deliver 5 times faster throughput performance. In essence, FortiOS delivers:

- **Comprehensive Security** — Control thousands of applications and stop more threats with NSS Labs Recommended IPS, sandboxing, VB100 certified antimalware and more.
- **Superior Control and Visibility** — Stay in control with rich visibility over network traffic, granular policy control, and intuitive, scalable security and network management.
- **Robust Networking Capabilities** — Optimize your network with extensive switching and routing, high availability, WAN optimization, embedded WiFi controller, and a range of virtual options.



For more information, please refer to the FortiOS data sheet available at [www.fortinet.com](http://www.fortinet.com)

## SERVICES

### FortiGuard™ Security Services

FortiGuard Labs offers 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, other network and security vendors, as well as law enforcement agencies:

- **Real-time Updates** — 24x7x365 Global Operations research security intelligence, distributed via Fortinet Distributed Network to all Fortinet platforms.
- **Security Research** — FortiGuard Labs have discovered over 170 unique zero-day vulnerabilities to date, totaling millions of automated signature updates monthly.
- **Validated Security Intelligence** — Based on FortiGuard intelligence, Fortinet's network security platform is tested and validated by the world's leading third-party testing labs and customers globally.



For more information, please refer to <http://forti.net/guard>

### FortiCare™ Support Services

Our FortiCare customer support team provides global technical support for all Fortinet products. With support staff in the Americas, Europe, Middle East and Asia, FortiCare offers services to meet the needs of enterprises of all sizes:

- **Enhanced Support** — For customers who need support during local business hours only.
- **Comprehensive Support** — For customers who need around-the-clock mission critical support, including advanced exchange hardware replacement.
- **Premium Services** — For global or regional customers who need an assigned Technical Account Manager, enhanced service level agreements, extended software support, priority escalation, on-site visits and more.
- **Professional Services** — For customers with more complex security implementations that require architecture and design services, implementation and deployment services, operational services and more.



For more information, please refer to <http://forti.net/care>

## SPECIFICATIONS

FORTIGATE 3600C	
<b>Interfaces and Modules</b>	
Hardware Accelerated 10 GE/GE SFP+ Slots	12
Hardware Accelerated GE SFP Slots	16
GE RJ45 (Management/HA) Ports	2
USB Interface for FortiExplorer	1
Console Port (DB9)	1
Local Storage	128 GB
Included Transceivers	2x SFP+ (SR 10 GE)
<b>System Performance and Capacity</b>	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	60 / 60 / 60 Gbps
Firewall Latency (64 byte UDP packets)	4 µs
Firewall Throughput (Packets Per Second)	90 Mpps
Concurrent Sessions (TCP)	28 Million
New Sessions/Second (TCP)	235,000
Firewall Policies	100,000
IPsec VPN Throughput (512 byte packets)	25 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	10,000
Client-to-Gateway IPsec VPN Tunnels	64,000
SSL-VPN Throughput	5.3 Gbps
Concurrent SSL-VPN Users (Recommended Maximum)	30,000
IPS Throughput	14 Gbps
Antivirus Throughput	5.8 Gbps
CAPWAP Clear-text Throughput (HTTP)	11.10 Gbps
Virtual Domains (Default / Maximum)	10 / 500
Maximum Number of FortiAPs (Total / Tunnel Mode)	4,096 / 1,024
Maximum Number of FortiTokens	5,000
Maximum Number of Registered FortiClients	20,000
High Availability Configurations	Active/Active, Active/Passive, Clustering
Unlimited User Licenses	Yes

FORTIGATE 3600C	
<b>Dimensions and Power</b>	
Height x Width x Length (inches)	5.24 x 17.50 x 21.65
Height x Width x Length (mm)	133 x 445 x 550
Weight	48.70 lbs (22.08 kg)
Form Factor	3 RU, Ears + Rails
AC Power Supply	100–240V AC, 50–60 Hz, 110V/6A, 220V/3A
DC Power Supply	48–60V DC
Power Consumption (Average / Maximum)	512 W / 615 W
Heat Dissipation	2,098 BTU/h
Redundant Power Supplies	Yes, Hot Swappable
<b>Operating Environment and Certifications</b>	
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing
Operating Altitude	Up to 7,400 ft (2,250 m)
Compliance	FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

Note: All performance values are "up to" and vary depending on system configuration. Antivirus performance is measured using 44 Kbyte HTTP files. IPS performance is measured using 1 Mbyte HTTP files. IPsec VPN performance is based on 512 byte UDP packets using AES-256+SHA1. Antivirus Throughput is measured in proxy mode.

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

## ORDER INFORMATION

Product	SKU	Description
FortiGate 3600C	FG-3600C	12x 10 GE SFP+ slots, 16x SFP slots, 2x GE RJ45 ports, FortiASIC NP4 and CP8 hardware accelerated, 128 GB SSD onboard storage, and dual AC power supplies.
FortiGate 3600C-DC	FG-3600C-DC	12x 10 GE SFP+ slots, 16x SFP slots, 2x GE RJ45 ports, FortiASIC NP4 and CP8 hardware accelerated, 128 GB SSD onboard storage, and dual DC power supplies.
<b>Optional Accessories</b>		
1 GE SFP LX Transceiver Module	FG-TRAN-LX	1 GE SFP LX transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP RJ45 Transceiver Module	FG-TRAN-GC	1 GE SFP RJ45 transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP SX Transceiver Module	FG-TRAN-SX	1 GE SFP SX transceiver module for all systems with SFP and SFP/SFP+ slots.
10 GE SFP+ Transceiver Module, Short Range	FG-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	FG-TRAN-SFP+LR	10 GE SFP+ transceiver module, long range for all systems with SFP+ and SFP/SFP+ slots.
AC Power Supply	SP-FG3600C-PS	AC power supply for FG-3600C and FG-3240C.



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