FortiGate®-300C

Accelerated Security for the Mid-Enterprise and Branch Office

With the continued evolution of network security threats and the arrival of new applications seemingly every day, you need unmatched visibility and control over all of your network traffic. FortiGate Unified Threat Management (UTM) systems from Fortinet® give you the ability to improve your security posture and accelerate your network performance while simplifying your network infrastructure.

The FortiGate-300C appliance delivers industry-leading performance and flexibility with hardware-accelerated essential security technologies, including firewall, VPN, intrusion prevention, application control, and web content filtering, all managed from a 'single pane of glass' console. They also include other security technologies such as antivirus/antimalware, antispam, vulnerability management, and WAN optimization. The FortiGate-300C gives you the ability to identify and stop numerous types of threats from a single device.

The Power of Accelerated Security

The FortiGate-300C platform delivers the speed and comprehensive security your growing enterprise network needs. It integrates a purpose-built security processor, the FortiASIC Network Processor, into the FortiGate platform to deliver security throughput at switching speeds. Another purpose-built ASIC, the FortiASIC Content Processor, provides additional acceleration for content inspection. Eight hardware-accelerated LAN interfaces with an additional two non-accelerated WAN ports allow you to enforce policies between network segments for layered security with switch-like performance. The numerous accelerated security interfaces give you the freedom to create multiple security zones for various departments, users, access methods, and even devices, to enforce network security at accelerated speeds.

FortiGate Consolidated Security Solutions

Fortinet's consolidated security solutions provide an integrated set of core security and network services in a single, easy-to-manage, high-performance appliance that is capable of supporting a wide range of deployment scenarios. In addition, FortiGuard Subscription Services include dynamic updates to ensure your security environment remains current and your corporate resources are protected against the latest threats.

FortiOS The World's Most Advanced Security Operating System

FortiOS provides high performance, ultra low latency multi-threat security by leveraging the hardware acceleration provided by purpose-built FortiASIC processors. This combination of custom hardware and software gives you the best security and performance possible from a single device. FortiOS allows greater traffic visibility and more consistent, granular control over users, applications and sensitive data.

The FortiASIC Advantage

FortiASIC processors power FortiGate platforms. With exclusive hardware, the purpose built, high performance network, security, and content processors use intelligent and proprietary digital engines to accelerate resource-intensive security services.

Challenge	Solution
Visibility and control of new applications and content	FortiGate-300C appliance delivers complete, comprehensive application control, enabling you to block unwanted traffic and behavior.
Time-sensitive applications require extremely low- latency during transit	FortiGate-300C appliance ensures that security is never a bottleneck. Up to 8 Gbps firewall performance and up to 4.5 Gbps IPSec VPN performance ensures optimal performance of latency-sensitive applications.
Internal network segmentation is difficult to deploy	FortiGate-300C appliance with eight hardware-accelerated switched LAN ports with 10/100/1000 interfaces and an additional two non-accelerated WAN ports, permit a wide-array of deployments.
Applications are expected to perform well over the WAN	The FortiGate-300C features 32 GB of onboard storage for WAN Optimization and on-device reporting.
Eliminating blind spots caused by using multiple non-integrated security technologies	Fortinet combines core security technologies such as firewall, VPN, intrusion prevention, and application control into a single platform, providing an effective all- in-one solution.

Technical Specifications	FortiGate-300C
HARDWARE SPECIFICATIONS	
Total 10/100/1000 Interfaces (RJ-45)	8
Maximum Network Interfaces	10
USB (Client/Server)	1 / 2
RJ-45 Serial Console	1
Internal Storage	32 GB
SYSTEM PERFORMANCE	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	8 / 8 / 8 Gbps
Firewall Latency (64 byte UDP packets)	2 µs
Firewall Throughput (Packets Per Second)	12 Mpps
Concurrent Sessions (TCP)	2 Million
New Sessions/Sec (TCP)	50,000
Firewall Policies	10,000
IPSec VPN Throughput (512 byte packets)	4.5 Gbps
Gateway-to-Gateway IPSec VPN Tunnels	2,000
Client-to-Gateway IPSec VPN Tunnels	10,000
SSL-VPN Throughput	200 Mbps
Concurrent SSL-VPN Users (Recommended Max)	500
IPS Throughput	1.4 Gbps
Antivirus Throughput (Proxy Based / Flow Based)	200 / 550 Mbps
Virtual Domains (Default / Max)	10 / 10
Max Number of FortiAPs (Total / Tunnel Mode)	512 / 256
Max Number of FortiTokens	1,000
Max Number of Registered FortiClients	2,000
High Availability Configurations	Active/Active, Active/Passive, Clustering
Unlimited User Licenses	Yes

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.

Technical Specifications	FortiGate-300C
DIMENSIONS AND POWER	
Height	1.75 in (44 mm)
Width	17.01 in (432 mm)
Length	12.68 in (322 mm)
Weight	13 lb (5.9 kg)
Rack Mountable	Yes
AC Power (FG-300C)	100 - 240 VAC, 60 - 50 Hz
Power Consumption (AVG / Max)	110 / 154 W
Max Current	110V / 5A, 220V / 3A
Heat Dissipation	525 BTU/h
DC Power (FG-300C-DC)	-48 VDC (Normal)
Redundant Power Supplies	Optional
ENVIRONMENT	
Operating temperature	32 to 104 deg F (0 - 40 deg C)
Storage temperature	-31 to 158 deg F (-35 to 70 deg C)
Humidity	20% to 90% non-condensing
Compliance	FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB
Certifications	ICSA Labs: Firewall, IPSec, IPS, Antivirus, SSL VPN

FortiGate-300C Front

FortiGate-300C Back

Ordering Information

Unit	SKU
FortiGate-300C	FG-300C
FortiGate-300C-DC	FG-300C-DC
Optional Accessories	**SKU**
FG-310B and FG-300C External Redundant Power Supply	SP-FG310B-RPS
FRPS-100 Redundant AC power supply, supports four FG-200B/300C/310B units	FRPS-100

FortiGuard® Security Subscription Services deliver dynamic, automated updates for Fortinet products. The Fortinet Global Security Research Team creates these updates to ensure up-to-date protection against sophisticated threats. Subscriptions include antivirus, intrusion prevention, web filtering, antispam, vulnerability and compliance management, application control, and database security services.

FortiCare™ Support Services provide global support for all Fortinet products and services. FortiCare support enables your Fortinet products to perform optimally. Support plans start with 8x5 Enhanced Support with "return and replace" hardware replacement or 24x7 Comprehensive Support with advanced replacement. Options include Premium Support, Premium RMA, and Professional Services. All hardware products include a 1-year limited hardware warranty and 90-day limited software warranty.

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