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FortiGate®-600C

Accelerated Security for the Mid-Enterprise and Large Branch Offices

With the continued requirement to protect against threats both new and old, 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-600C 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. Advanced application control enables you to define and enforce policies for thousands of applications running across networks regardless of port or protocol. The FortiGate-600C also includes additional security technologies such as antivirus/antimalware, antispam, vulnerability management, and WAN optimization, giving you the ability to consolidate stand-alone devices.

The Power of Accelerated Security

The FortiGate-600C platform delivers the speed and comprehensive security your growing enterprise network needs. It integrates the purpose-built FortiASIC Network Processor to deliver security throughput at switching speeds. Another purpose-built processor, the FortiASIC Content Processor, provides additional acceleration for content inspection.

With 16 Gbps of firewall throughput and 4 Gbps of IPS throughput, the FortiGate-600C meets the speed requirements of mid-sized organizations and large branch offices. The FortiGate-600C provides sixteen (16) Gigabit Ethernet (GbE) RJ-45 ports, giving you the freedom to create multiple security zones for various departments, users, access methods, and even devices, to enforce network security at accelerated speeds. The appliance also provides four (4) shared RJ-45/SFP ports to give you additional deployment flexibility, and two (2) bypass-protected GbE ports ensure your network stays up in the event of device failure. In addition, the FortiGate-600C features 64 GB of internal storage for WAN optimization, local reporting, or local content archiving.

FortiOS 4.3: Redefining Network Security

FortiOS 4.3 is the software foundation of FortiGate multi-threat security platforms. Developed solely for security, performance and reliability, it is a purpose-built operating system that leverages the power of the FortiASIC content and network processors. FortiOS software enables a comprehensive suite of security services: Firewall, VPN, intrusion prevention, antivirus/ antispyware, antispam, web filtering, application control, data loss prevention, and end point network access control.

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 devices deliver complete, comprehensive application control, enabling you to block unwanted traffic and behavior.
Time-sensitive applications and data require extremely low latency	FortiGate-600C appliance ensures that security is never a bottleneck. Up to 16 Gbps firewall performance and sub-10 microsecond latency ensures optimal performance.
Internal network segmentation to segregate data	22 hardware-accelerated switched ports give you maximum deployment flexibility.
Applications are expected to perform well over the WAN	The FortiGate-600C features 64 GB onboard storage for WAN Optimization.
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.

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. When combined with FortiClient software, the FortiGate-600C is ideal for remote access solutions. Mid-size organizations can deploy a distributed enterprise solution by deploying the FortiGate-600C at their headquarters and smaller FortiGate devices in branch offices.

Technical Specifications	FortiGate-600C
HARDWARE SPECIFICATIONS	
Accelerated 10/100/1000 Interfaces (RJ-45)	16
Accelerated GbE SFP or 10/100/1000 Shared Interfaces	4
Accelerated 10/100/1000 Bypass Interfaces	2 pairs
10/100/1000 Management Interfaces	2
Maximum Network Interfaces	24
Internal Storage	64 GB
USB (Client/Server)	1 / 1
SYSTEM PERFORMANCE	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	16 / 16 / 16 Gbps
Firewall Latency (64 byte UDP packets)	7 µs
Firewall Throughput (Packets Per Second)	25 Mpps
Concurrent Sessions (TCP)	3 M
New Sessions/Sec (TCP)	70,000
Firewall Policies (System / VDOM)	100,000 / 50,000
IPSec VPN Throughput (512 byte packets)	8 Gbps
Gateway-to-Gateway IPSec VPN Tunnels (System / VDOM)	10,000 / 5,000
Client-to-Gateway IPSec VPN Tunnels	50,000
SSL-VPN Throughput	500 Mbps
Concurrent SSL-VPN Users (Recommended Max)	1,000
IPS Throughput	4 Gbps
Antivirus Throughput (Proxy Based / Flow Based)	1.3 / 1.7 Gbps
Virtual Domains (Default / Max)	10 / 10
Max Number of FortiAPs	512
Max Number of FortiTokens	1,000
High Availability Configurations	Active/Active, Active/Passive, Clustering
Unlimited User Licenses	Yes

Technical Specifications	FortiGate-600C
DIMENSIONS AND POWER	
Height	1.8 in (45 mm)
Width	17 in (432 mm)
Length	16.4 in (416 mm)
Weight	18.6 lb (8.5 kg)
Rack Mountable	Yes
AC Power	100-240 VAC, 60-50 Hz
Power Consumption (AVG)	141 W
Power Consumption (Max)	223 W
Heat Dissipation	761 BTU/h
DC Power (FG-600C-DC Required)	-48V VDC (Normal)
Redundant Power Supply (Hot-swappable)	Optional
ENVIRONMENT	
Operating temperature	32 - 104 °F (0 - 40 °C)
Storage temperature	-13 - 158 °F (-25 - 70 °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

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.

Ordering Info	
Unit	**SKU**
FortiGate-600C	FG-600C
FortiGate-600C-DC	FG-600C-DC
Optional Accessories	**SKU**
FG-600C and FG-1000C AC Power Supply	SP-FG600C-PS

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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