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 (GE) 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 GE ports ensure your network stays up in the event of device failure. In addition, the FortiGate 600C features 60 GB of internal storage for WAN optimization, local reporting, or local content archiving.

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 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 60 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 GE 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	60 GB
Included Transceivers	2x SFP (SX 1 GE)
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)	24 Mpps
Concurrent Sessions (TCP)	3 Million
New Sessions/Sec (TCP)	70,000
Firewall Policies	10,000
IPsec VPN Throughput (512 byte packets)	8 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	2,000
Client-to-Gateway IPsec VPN Tunnels	50,000
SSL-VPN Throughput	1 Gbps
Concurrent SSL-VPN Users (Recommended Maximum)	5,000
IPS Throughput	4 Gbps
Antivirus Throughput (Proxy Based / Flow Based)	1.3 / 2.8 Gbps
CAPWAP Clear-text Throughput (HTTP)	4.50 Gbps
Virtual Domains (Default / Maximum)	10 / 10
Maximum Number of FortiAPs (Total / Tunnel Mode)	1,024 / 512
Maximum Number of FortiTokens	1,000
Maximum Number of Registered FortiClients	2,000
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	100–240V AC, 60–50 Hz
Power Consumption (Average	141 W
Power Consumption (Maximum)	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	-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

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.

Ordering Information

Product	SKU	Description
FortiGate 600C	FG-600C	16x GE RJ45 ports, 4x Shared Media pairs (including 4x GE RJ45 ports, 4x SFP slots), 2x GE RJ45 with Bypass Protection, 60 GB SSD onboard storage.
FortiGate 600C-DC	FG-600C-DC	16x GE RJ45 ports, 4x Shared Media pairs (including 4x GE RJ45 ports, 4x SFP slots), 2x GE RJ45 with Bypass Protection, 60 GB SSD onboard storage, with DC power supply.
Optional Accessories		
AC power supply	SP-FG600C-PS	AC power supply for FG-600C, FG-800C, and FG-1000C.
DC power supply	SP-FG600C-DC-PS	DC power supply for FG-600C-DC, FG-800C-DC, and FG-1000C-DC.

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