FORTINET

FortiGate®-100D

Security for the Small and Medium Enterprise

Meeting the Needs of Small and Medium Enterprises and Branch Offices

Today's network security threats have evolved into highly sophisticated assaults using multiple attack vectors to penetrate networks and steal valuable information. Small and medium enterprises and remote branch offices of larger enterprises face these attacks while storing and transferring increasing amounts of sensitive data across their networks. To ensure the security of this sensitive data, legislation such as PCI, HIPAA, Sarbanes-Oxley, and others have warranted the implementation of security measures.

In order to comply with legislation and secure the valuable data traversing networks, small and medium enterprises and remote branch offices need a security solution that integrates multiple attack recognition technologies into a single device. With limited budgets and modest remote resources, these smaller networks desire a cost effective solution that is simple to install, connect and maintain. Just as importantly, networks are ever-expanding and need a solution that leaves them with room to grow over time. The FortiGate-100D is an ideal security solution for small and medium enterprises or remote branch offices of larger networks. It combines firewall, IPSec and SSL VPN, application control, intrusion prevention, antivirus, antimalware, antispam, P2P security, and web filtering into a single device.

Simple, Powerful, Secure

The FortiGate-100D installs in minutes, automatically downloading regular updates to protect against the latest viruses, network vulnerabilities, worms, spam and phishing attacks, and malicious websites with no administrator intervention. Leveraging patented FortiASIC acceleration, the FortiGate-100D offers market-leading performance, with twenty-two GbE interfaces that facilitate network growth and expansion. Onboard storage provides local archiving of data for policy compliance and/or WAN Optimization. The WAN Optimization functionality increases network performance by reducing the amount of communication and data transmitted between applications and servers across a WAN.

FortiOS Software Redefines Network Security

FortiOS is a purpose-built operating system that leverages the power of specialized FortiASIC hardware to offer increased levels of security and performance. Fortinet developed FortiOS software solely for the FortiGate consolidated security platform. FortiOS software enables a comprehensive suite of security services, including firewall, VPN, intrusion prevention, application control, web filtering, data loss prevention, and end point 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.

Feature	Benefit
Consolidated Security Architecture	FortiGate consolidated security offers better protection and lower cost of ownership than multiple point security products.
Simple Licensing	Hassle-free unlimited user licensing increases ease of deployment and maintenance.
High Port Density	Sixteen internal switch, dual WAN and dual HA interfaces (all GbE) facilitate flexible deployment of network segments, eliminate need for external switching products, and promote network expansion and high availability configurations.
16GB of onboad storage	Provides local archiving of data for policy compliance or WAN optimization for improved application performance over the WAN.

| Technical Specifications	FortiGate-100D
HARDWARE SPECIFICATIONS	
Total 10/100/1000 Interfaces (RJ-45)	22
Maximum Network Interfaces	22
USB (Client/Server)	1 / 2
RJ-45 Serial Console	1
Internal Storage	16 GB
SYSTEM PERFORMANCE	
Firewall Throughput (1518 byte UDP)	2.5 Gbps
Firewall Throughput (512 byte UDP)	1 Gbps
Firewall Throughput (64 byte UDP)	200 Mbps
Firewall Latency (64 byte UDP)	37 us
Packets Per Second	290 Kpps
IPSec VPN Throughput (512 byte packets)	450 Mbps
IPS Throughput (1 MB HTTP files)	900 Mbps
IPS Throughput (44 KB HTTP files)	400 Mbps
Proxy-based Antivirus Throughput	300 Mbps
Flow-based Antivirus Throughput	700 Mbps
Gateway-to-Gateway IPSec VPN Tunnels (System/VDOM)	1,500 / 1,500
Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Users (Recommended Max)	200
SSL-VPN Throughput	300 Mbps
Concurrent Sessions (TCP)	2.5 M
New Sessions/Sec (TCP)	22,000
Firewall Policies (System/VDOM)	8,000 / 4,000
Unlimited User Licenses	Yes
Virtual Domains (VDOMs)	10
Max Number of FortiAPs	32
Max Number of FortiTokens	1,000
High Availability Configurations	Active/Active, Active/Passive, Clustering

Technical Specifications	FortiGate-100D
DIMENSIONS AND POWER	
Height	1.7 in (4.4 mm)
Width	17 in (43.1 mm)
Length	11.5 in (29.1 mm)
Weight	9.4 lb (4.3 kg)
Rack Mountable	Yes (Attachable Ears)
AC Power	100 - 240 VAC, 60 - 50 Hz
Power Consumption (AVG / Max)	52.6 / 63.1 W
Heat Dissipation	215.3 BTU/h
Redundant Power Supplies	Requires External Option
ENVIRONMENT AND COMPLIANCE	
Operating temperature	32 to 104 deg F (0 - 40 deg C)
Storage temperature	-13 to 158 deg F (-25 to 70 deg C)
Humidity	20% to 90% non-condensing
Compliance	FCC Class A Part 15, UL/ CUL, CE, C Tick, VCCI
Certifications	ICSA Labs: Firewall, SSL VPN, IPS, Antivirus

Note: All performance values are "up to" and vary depending on system configuration. Antivirus performance is measured using 44 KB HTTP files (similar to NSS Labs test methodology).

FortiGate-100D Front

FortiGate-100D Back
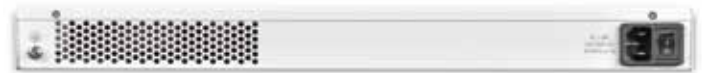
Ordering Information

Product	SKU
FortiGate-100D	FG-100D

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.