

FortiGate®-82C

Complete Threat Protection
for ROBOs/SOHOs/SMBs

Datasheet

Network Protection and WAN Optimization

Today's sophisticated threatscape challenges enterprises of all sizes. They must protect the data residing in and traveling between ROBOs, SOHOs, customer premise equipment (CPE), retail networks, and headquarters. The need to comply with continuously evolving data protection and log retention policies places additional burdens on already overloaded IT departments. Enterprises need a simple-to-install, cost-effective, and proven approach to safeguarding their distributed networks.

The FortiGate-82C is a multi-function security platform that combines essential security functions of firewall, IPSec and SSL VPN, antivirus, antispam, intrusion prevention, and web filtering into a single device. The advanced FortiOS operating system also delivers enterprise-class data loss prevention, SSL inspection, and application control.

The FortiGate-82C provides two additional benefits: WAN optimization for improved network performance, and storing of system logs and audit files for policy compliance. WAN optimization increases network performance by reducing the amount of data transmitted across a WAN. It lowers resource and bandwidth requirements, thereby reducing networking costs. The FortiGate-82C's expandable storage eliminates the need to add storage devices for WAN optimization.

The user-expandable storage includes one terabyte of disk space. Enterprises can use the FortiGate-82C as the foundation for complying with policies requiring the storage of log files or audit records from applications, servers, and devices. This integrated, comprehensive approach to data security and storage significantly reduces the cost of deploying multiple technologies separately.



FortiGate-82C

Challenge	Solution
<ul style="list-style-type: none"> Reducing cost of WAN traffic 	<p>The FortiGate-82C's WAN optimization capability reduces data transmission, bandwidth utilization, and server requirements. It improves productivity, accelerates networks, and reduces networking costs.</p>
<ul style="list-style-type: none"> Storing of audit files and system logs for policy compliance 	<p>The FortiGate-82C ships with one terabyte (1 TB) of user-expandable storage, which facilitates policy and regulatory compliance for logging of audit files and system logs.</p>
<ul style="list-style-type: none"> Seamless enterprise-class threat management 	<p>Fortinet's integrated approach eliminates gaps in system and network security, lowers cost of ownership, and improves any organizations' security posture. The FortiGate-82C delivers unmatched protection including firewall, intrusion prevention, IPSec VPN, SSL VPN, antivirus, antispam, antispyware, URL filtering, data loss prevention, SSL inspection, and application control.</p>

Fortinet's Multi-Layered Security Solution

Fortinet's multi-layered security solutions efficiently and economically provide an integrated set of security services in a single, easy-to-manage high-performance appliance. In addition, FortiGuard® Services deliver continuous, automated updates for antivirus, intrusion prevention, Web filtering, antispam, vulnerability management, application control, database, and compliance services. FortiGuard Services ensure that security environments remain current against the latest blended threats. FortiGate systems come with a one-year limited hardware warranty and 90-day limited software warranty.

TECHNICAL SPECIFICATIONS

HARDWARE SPECIFICATIONS

FortiGate-82C

Standard 10/100/1000 Interfaces (RJ-45)	4
Disk Drive Bays	4
Default Disk Storage	1 x 1 TB

SYSTEM PERFORMANCE

Firewall Throughput (1518 byte)	700 Mbps
Firewall Throughput (512 byte)	350 Mbps
VPN (IPSec) Throughput	80 Mbps
Antivirus Throughput*	50 Mbps
IPS Throughput*	100 Mbps
Static IPSec VPN Tunnels	200
Concurrent IPSec VPN Tunnels	300
Recommended Number of Concurrent SSL VPN Users	60
Concurrent Sessions	100,000
New Sessions/Second	5,000
Policies (Max)	2,000
Unlimited User Licenses	Yes
Virtual Domains (VDOMs)	10
RAID Storage Management**	0, 1, 5

DIMENSIONS

Height	8.25 inches (210 mm)
Width	6.3 inches (160 mm)
Length	9.5 inches (240 mm)
Weight	9.4lb (4.25 kg)

POWER

AC Power Required	100-240 VAC, 50-60 Hz, (Max 5 Amp)
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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 Class A Part 15, UL/CUL, C Tick, CE, VCCI
Certifications	ICSA Labs: Firewall, IPSec, Antivirus, IPS, Antispyware

* All performance values are "up to" and vary depending on system configuration

Antivirus performance is benchmarked using HTTP traffic (32 Kbyte Objects)

IPS performance is benchmarked using UDP traffic (512 byte packet size)

** RAID storage requires installation of additional hard drives

FortiOS 4.0: Redefining Network Security

FortiOS 4.0 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 power of the FortiASIC content and network processors. FortiOS enables a comprehensive suite of security services – content inspection firewall, IPS, antivirus, web filtering, antispyware, IM/P2P, virtual network security and bandwidth shaping. Recent improvements to FortiOS include identity-based policies, IPS enhancements, application control, WAN optimization, and data loss prevention.



Fortinet's ASIC-Based Advantage

FortiASIC is the foundation of Fortinet's unique hardware technology. FortiASIC is a family of purpose built, high-performance network and content processors that uses an intelligent proprietary content scanning engine and multiple algorithms to accelerate compute-intensive security services. FortiASIC provides the performance required to deliver enterprise and carrier-class UTM services. Coupled with the FortiOS security hardened Operating System, FortiASIC delivers extreme performance and security.

FortiGuard Security Subscription Services

- Antivirus
- Intrusion Prevention
- Web Filtering
- Antispam
- Premier Signature Service
Includes Antivirus and Intrusion Prevention Updates with additional service level agreements

FortiCare™ Support Services

- 24x365 Comprehensive Support
- 8x5 Enhanced Support
- Premium Support and Premium RMA support (Optional)
- Professional Services (Optional)
- 1-Year Limited Hardware Warranty
- 90-Day Limited Software Warranty

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