FORTINET

FortiGate/FortiWiFi®
80C Series

High Performance UTM
for Small Networks

FortiGate/FortiWiFi 80C Series

FortiGate 80C, 80CM and FortiWiFi 80CM

The FortiGate/FortiWiFi 80C series are compact, cost effective, all-in-one security appliances that deliver Fortinet's Connected UTM. Ideal for small business, remote, customer premise equipment (CPE) and retail networks, these appliances offer the network security, connectivity and performance you need.

High Performance Network Security

Built on the foundation FortiOS 5, the FortiGate/FortiWiFi 80C series provides an integrated set of essential security technologies to protect all of your applications and data. You get advanced threat protection, including firewall, application control, advanced threat protection, IPS, VPN, and web filtering, all from one device that's easy to deploy and manage. With our FortiGuard® security subscription services you'll have automated protection against today's sophisticated threats.

Advanced Features

The FortiGate/FortiWiFi 80C offers beyond the industry's best firewall with the latest in Advanced Threat Protection including Sandboxing and anti-bot protection, Feature Select Options for simplifying configurations and deployments, and Contextual Visibility for enhanced reporting and management.

VDOMs on the FortiGate/FortiWiFi 80C, let you segment networks to enable guest and employee access, or protect things like cardholder data. You get the flexibility to match your business needs and meet compliance standards like PCI and HIPAA.

Highlights

Firewall Performance	IPS Performance	Interfaces
1.9 Gbps	350 Mbps	Multiple RJ45

Features & Benefits

- High performance UTM — firewall, VPN, IPS, application control, web filtering, antivirus, antispam, DLP and more

- Runs on FortiOS 5 — the most powerful security operating system in the world delivers more protection for fighting advanced threats and visibility with deep contextual information

ICSAlabs CERTIFIED ANTI-VIRUS **ICSA**labs CERTIFIED FIREWALL - CORPORATE

COMMON CRITERIA
EAL 4+ CERTIFIED

ICSAlabs CERTIFIED SSL VPN **ICSA**labs CERTIFIED NETWORK IPS

FIPS VALIDATED 140-2

ICSAlabs CERTIFIED IPSEC - BASIC

FortiCare Worldwide 24x7 Support
support.fortinet.com

FortiGuard Security Services
www.fortiguard.com

HARDWARE

FortiGate 80C

FortiWiFi 80CM

FortiGate 80CM

Interfaces

1. 2x 10/100/1000 RJ45 WAN Interfaces
2. 1x 10/100 RJ45 DMZ Interface
3. 6x 10/100 RJ45 Internal Switch Interfaces

Redundant Connectivity

The FortiGate/FortiWiFi 80C Series platforms offer dual WAN Gigabit Ethernet (10/100/1000) links, for load balancing or redundant ISP connections delivering high availability and scalability to small or home office application. Six Fast Ethernet (10/100) internal security zone or switch ports and one dedicated DMZ port eliminate need for additional networking devices, reducing investment and management burden. An ExpressCard slot allows for optional 3G wireless WAN connectivity such as EV-DO, W-CDMA, HSPA and GPRS, which provides mobile network connectivity for remote deployments or backup data connectivity in the event of a network failure. The FortiGate/FortiWiFi 80CM platforms gives you the additional convenience and reliability of an analog modem.

Compact and Reliable Form Factor

Designed for small environments, you can simply place the FortiGate/FortiWiFi 80C on a desktop. It is small, lightweight yet highly reliable with superior MTBF (Mean Time Between Failure), minimizing the chance of a network disruption.

SOFTWARE

FortiOS Managment UI — FortiView and Application Control Panel

FortiOS

FortiOS helps you protect your organization against advanced threats, configure and deploy your network security faster and see deep into what's happening inside your network. It enables organization to set up policies specific to types of devices, users and applications with industry-leading security capabilities. FortiOS leverages custom FortiASICs and the Optimum Path Processing architecture of FortiGate to deliver 5 times faster throughput performance. In essence, FortiOS delivers:

- **Comprehensive Security** — Control thousands of applications and stop more threats with NSS Labs Recommended IPS, sandboxing, VB100 certified antimalware and more.
- **Superior Control and Visibility** — Stay in control with rich visibility over network traffic, granular policy control, and intuitive, scalable security and network management.
- **Robust Networking Capabilities** — Optimize your network with extensive switching and routing, high availability, WAN optimization, embedded WiFi controller, and a range of virtual options.

> For more information, please refer to the FortiOS data sheet available at www.fortinet.com

SERVICES

FortiGuard™ Security Services

FortiGuard Labs offers real-time intelligence on the threat landscape, delivering comprehensive security updates across the full range of Fortinet's solutions. Comprised of security threat researchers, engineers, and forensic specialists, the team collaborates with the world's leading threat monitoring organizations, other network and security vendors, as well as law enforcement agencies:

- **Real-time Updates** — 24x7x365 Global Operations research security intelligence, distributed via Fortinet Distributed Network to all Fortinet platforms.
- **Security Research** — FortiGuard Labs have discovered over 170 unique zero-day vulnerabilities to date, totaling millions of automated signature updates monthly.
- **Validated Security Intelligence** — Based on FortiGuard intelligence, Fortinet's network security platform is tested and validated by the world's leading third-party testing labs and customers globally.

> For more information, please refer to http://forti.net/guard

FortiCare™ Support Services

Our FortiCare customer support team provides global technical support for all Fortinet products. With support staff in the Americas, Europe, Middle East and Asia, FortiCare offers services to meet the needs of enterprises of all sizes:

- **Enhanced Support** — For customers who need support during local business hours only.
- **Comprehensive Support** — For customers who need around-the-clock mission critical support, including advanced exchange hardware replacement.
- **Premium Services** — For global or regional customers who need an assigned Technical Account Manager, enhanced service level agreements, extended software support, priority escalation, on-site visits and more.
- **Professional Services** — For customers with more complex security implementations that require architecture and design services, implementation and deployment services, operational services and more.

> For more information, please refer to http://forti.net/care

SPECIFICATIONS

	FORTIGATE 80C	FORTIGATE 80CM	FORTIWIFI 80CM
Hardware Specifications			
10/100/1000 WAN Interfaces (Copper, RJ-45)	2	2	2
10/100 Internal Switch Interfaces (Copper, RJ-45)	6	6	6
10/100 DMZ Interfaces (Copper, RJ-45)	1	1	1
Management Console Interface (Copper, RJ-45)	1	1	1
USB Interfaces	2	2	2
ExpressCard Slot	1	1	1
WLAN Support	—	—	802.11 a/n or b/g/n
Modem Port	—	Yes	Yes
System Performance			
Firewall Throughput	1.3 Gbps		
Firewall Latency (64 byte UDP packets)	45 µs		
Firewall Throughput (Packets Per Second)	180 Kpps		
Concurrent Sessions (TCP)	1 Million		
New Sessions/Second (TCP)	12,000		
Firewall Policies	5,000		
IPsec VPN Throughput (512 byte packets)	140 Mbps		
Gateway-to-Gateway IPsec VPN Tunnels	200		
Client-to-Gateway IPsec VPN Tunnels	1,000		
SSL-VPN Throughput	70 Mbps		
Concurrent SSL-VPN Users (Recommended Maximum)	100		
IPS Throughput	350 Mbps		
Antivirus Throughput	50 Mbps		
Virtual Domains (Default / Maximum)	10 / 10		
Maximum Number of FortiAPs (Total / Tunnel Mode)	32 / 16		
Maximum Number of FortiTokens	100		
Maximum Number of Registered FortiClients	200		
High Availability Configurations	Active/Active, Active/Passive, Clustering		

	FORTIGATE 80C	FORTIGATE 80CM	FORTIWIFI 80CM
Environment			
Power Required	100–240V AC, 50–60 Hz		
Power Consumption (Average / Maximum)	25 / 30 W	26 / 31.2 W	28 / 33.6 W
Heat Dissipation	102.3 BTU/h	106.5 BTU/h	115 BTU/h
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			
Regulatory Compliance	FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB		
Certifications			
	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN		
Dimensions			
Height x Width x Length (inches)	1.75 x 10.87 x 6.13		
Height x Width x Length (mm)	44.5 x 276.1 x 155.7		
Weight	3.3 lbs (1.5 kg)		
Wall Mountable	Yes		

Note: 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. Firewall Throughput performance is measured using UDP 1518 Bytes based on RFC 2544. Antivirus Throughput is measured in proxy mode.

ORDER INFORMATION

Product	SKU	Description
FortiGate 80C	FG-80C	2x GE RJ45 ports, 7x FE ports (including 1x DMZ port, 6x switch ports) and ExpressCard slot. Maximum managed FortiAPs (Total / Tunnel) 32 / 16.
FortiGate 80CM	FG-80CM	2x GE RJ45 ports, 7x FE ports (including 1x DMZ port, 6x switch ports), analog V.90 modem, ExpressCard slot. Maximum managed FortiAPs (Total / Tunnel) 32 / 16.
FortiWiFi 80CM	FWF-80CM	2x GE RJ45 ports, 7x FE ports (including 1x DMZ port, 6x switch ports), wireless (802.11 b/g/n), analog V.90 modem and ExpressCard slot. Maximum managed FortiAPs (Total / Tunnel) 32 / 16.
Optional Accessory		
DC Adapter for the FG-80C, FG-80CM, FWF-80CM	SP-FG80-PDC	AC power adapter for FG/FWF-80C/CM.
Wall Mount Kit (with express card lock)	SP-FG-50B-60B-MOUNT	Wall mount kit with lock to secure cardbus and USB module for FG/FWF 80C Series.

F≡RTINET®

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