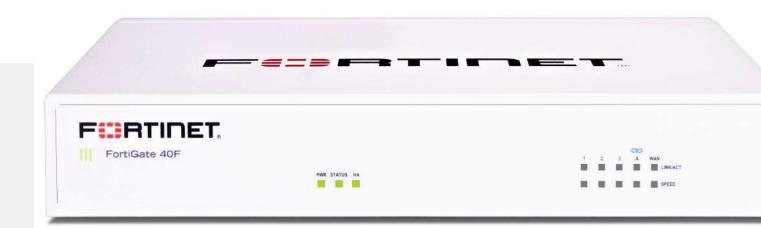


# FortiGate FortiWiFi 40F Series

FG-40F, FG-40F-3G4G, FWF-40F, FWF-40F-3G4G



### Highlights

Gartner Magic Quadrant Leader for both Network Firewalls and SD-WAN.

Security-Driven Networking with FortiOS delivers converged networking and security.

**Unparalleled Performance** with Fortinet's patented SoC processors.

#### **Enterprise Security**

with consolidated AI / ML-powered FortiGuard Services.

#### **Simplified Operations**

with centralized management for networking and security, automation, deep analytics, and self-healing.

### **Converged Next-Generation Firewall (NGFW) and SD-WAN**

The FortiGate Next-Generation Firewall 40F series is ideal for building security-driven networks at distributed enterprise sites and transforming WAN architecture at any scale.

With a rich set of Al/ML-based FortiGuard security services and our integrated Security Fabric platform, the FortiGate FortiWiFi 40F series delivers coordinated, automated, end-to-end threat protection across all use cases.

FortiGate has the industry's first integrated SD-WAN and zero-trust network access (ZTNA) enforcement within an NGFW solution and is powered by one OS. FortiGate 40F automatically controls, verifies, and facilitates user access to applications, delivering consistency with a seamless and optimized user experience.

IPS	NGFW	Threat Protection	Interfaces
1 Gbps	800 Mbps	600 Mbps	Multiple GE RJ45   WiFi variants



Available in



Appliance



Virtual





Cloud



Container

### **FortiOS Everywhere**

#### FortiOS, Fortinet's advanced operating system

FortiOS enables the convergence of high performing networking and security across the Fortinet Security Fabric. Because it can be deployed anywhere, it delivers consistent and context-aware security posture across network, endpoint, and multi-cloud environments.

FortiOS powers all FortiGate deployments whether a physical or virtual device, as a container, or as a cloud service. This universal deployment model enables the consolidation of many technologies and use cases into organically built best-of-breed capabilities, unified operating system, and ultra-scalability. The solution allows organizations to protect all edges, simplify operations, and run their business without compromising performance or protection.

FortiOS dramatically expands the Fortinet Security Fabric's ability to deliver advanced AI/MLpowered services, inline advanced sandbox detection, integrated ZTNA enforcement, and more. It provides protection across hybrid deployment models for hardware, software, and Software-as-a-Service with SASE.

FortiOS expands visibility and control, ensures the consistent deployment and enforcement of a simplified, single policy and management framework. Its security policies enable centralized management across large-scale networks with the following key attributes:

- Interactive drill-down and topology viewers that display real-time status
- On-click remediation that provides accurate and quick protection against threats and abuses
- Unique threat score system correlates weighted threats with users to prioritize investigations



Intuitive easy to use view into the network and endpoint vulnerabilities

Visibility with FOS Application Signatures

### FortiConverter Service

FortiConverter Service provides hassle-free migration to help organizations transition from a wide range of legacy firewalls to FortiGate Next-Generation Firewalls quickly and easily. The service eliminates errors and redundancy by employing best practices with advanced methodologies and automated processes. Organizations can accelerate their network protection with the latest FortiOS technology.



### **FortiGuard Services**

#### FortiGuard AI-Powered Security

FortiGuard's rich suite of security services counter threats in real time using AI-powered, coordinated protection designed by FortiGuard Labs security threat researchers, engineers, and forensic specialists.

### Web Security

Advanced cloud-delivered URL, DNS (Domain Name System), and Video Filtering providing complete protection for phishing and other web born attacks while meeting compliance.

Additionally, its dynamic inline CASB (Cloud Access Security Broker) service is focused on securing business SaaS data, while inline ZTNA traffic inspection and ZTNA posture check provide per-sessions access control to applications. It also integrates with the FortiClient Fabric Agent to extend protection to remote and mobile users.

#### **Content Security**

Advanced content security technologies enable the detection and prevention of known and unknown threats and file-based attack tactics in real-time. With capabilities like CPRL (Compact Pattern Recognition Language), AV, inline Sandbox, and lateral movement protection make it a complete solution to address ransomware, malware, and credential-based attacks.

#### **Device Security**

Advanced security technologies are optimized to monitor and protect IT, IIoT, and OT (Operational Technology) devices against vulnerability and device-based attack tactics. Its validated near-real-time IPS intelligence detects, and blocks known and zero-day threats, provides deep visibility and control into ICS/OT/SCADA protocols, and provides automated discovery, segmentation, and pattern identification-based policies.

#### Advanced Tools for SOC/NOC

Advanced NOC and SOC management tools attached to your NGFW provide simplified and faster time-to-activation.

### SOC-as-a-Service

Includes tier-one hunting and automation, log location, 24×7 SOC analyst experts, managed firewall and endpoint functions, and alert triage.

#### **Fabric Rating Security Best Practices**

Includes supply chain virtual patching, up-to-date risk and vulnerability data to deliver quicker business decisions, and remediation for data breach situations.



### Secure Any Edge at Any Scale

### Powered by Security Processing Unit (SPU)

Traditional firewalls cannot protect against today's content- and connection-based threats because they rely on off-the-shelf hardware and general-purpose CPUs, causing a dangerous performance gap. Fortinet's custom SPU processors deliver the power you need—up to 520Gbps—to detect emerging threats and block malicious content while ensuring your network security solution does not become a performance bottleneck.

### ASIC Advantage



### Secure SD-WAN ASIC SOC4

- Combines a RISC-based CPU with Fortinet's proprietary Security Processing Unit (SPU) content and network processors for unmatched performance
- Delivers industry's fastest application identification and steering for efficient business operations
- Accelerates IPsec VPN performance for best user experience on direct internet access
- Enables best of breed NGFW Security and Deep SSL Inspection with high performance
- Extends security to access layer to enable SD-Branch transformation with accelerated and integrated switch and access point connectivity



### FortiCare Services

Fortinet is dedicated to helping our customers succeed, and every year FortiCare Services help thousands of organizations get the most from our Fortinet Security Fabric solution. Our lifecycle portfolio offers Design, Deploy, Operate, Optimize, and Evolve services. Operate services offer device-level FortiCare Elite service with enhanced SLAs to meet our customer's operational and availability needs. In addition, our customized account-level services provide rapid incident resolution and offer proactive care to maximize the security and performance of Fortinet deployments.

### **Use Cases**

### Next Generation Firewall (NGFW)

- FortiGuard Labs' suite of Al-powered Security Services—natively integrated with your NGFW—secures web, content, and devices and protects networks from ransomware and sophisticated cyberattacks
- Real-time SSL inspection (including TLS 1.3) provides full visibility into users, devices, and applications across the attack surface
- Fortinet's patented SPU (Security Processing Unit) technology provides industry-leading high-performance protection



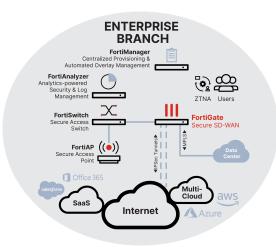
### Secure SD-WAN

- FortiGate WAN Edge powered by one OS and unified security and management framework and systems transforms and secures WANs
- Delivers superior quality of experience and effective security posture for work-from-any where models, SD-Branch, and cloud-first WAN use cases
- Achieve operational efficiencies at any scale through automation, deep analytics, and self-healing



### Universal ZTNA

- Control access to applications no matter where the user is and no matter where the application is hosted for universal application of access policies
- Provide extensive authentications, checks, and enforce policy prior to granting application access every time
- Agent-based access with FortiClient or agentless access via proxy portal for guest or BYOD



### Hardware

### FortiGate FortiWifi 40F Series

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### Interfaces

- 1. 1 x USB Port
- 2. 1 x Console Port
- 3. 1 x GE RJ45 WAN Port
- 4. 1 x GE RJ45 FortiLink Port
- 5. 3 x GE RJ45 Ethernet Ports

### Hardware Features



### Interfaces

- 1. 1 x USB Port
- 2. 1 x Console Port
- 3. 1 x GE RJ45 WAN Port
- 4. 1 x GE RJ45 FortiLink Port
- 5. 3 x GE RJ45 Ethernet Ports

### Hardware Features



### FortiGate FortiWifi 40F-3G4G

### **Specifications**

	FORTIGATE 40F	FORTIWIFI 40F	FORTIGATE 40F-3G4G	FORTIWIFI 40F-3G4G			
Interfaces and Modules							
Hardware Accelerated GE RJ45 WAN / DMZ Ports	1	1	1	1			
Hardware Accelerated GE RJ45 Internal Ports	3	3	3	3			
Hardware Accelerated GE RJ45 FortiLink Ports (Default)	1	1	1	1			
Hardware Accelerated GE RJ45 PoE/+ Ports	0	0	0	0			
Cellular Modem	-	-	3G4G LTE	3G4G LTE			
Wireless Interface	0	Single Radio (2.4GHz/5GHz) 802.11 /a/b/g/n/ac-W2	0	Single Radio (2.4GHz/5GHz), 802.11 a/b/g/n/ac-W2			
Antenna Ports (SMA)	0	3	3	6			
USB Ports	1	1	1	1			
Console Port (RJ45)	1	1	1	1			
SIM Slots (Nano SIM)	0	0	2	2			
Onboard Storage	0	0	0	0			
Included Transceivers	0	0	0	0			
System Performance — Enterprise Traffic Mix							
IPS Throughput <sup>2</sup>		1 G	bps				
NGFW Throughput <sup>2,4</sup>		800	Mbps				
Threat Protection Throughput <sup>2, 5</sup>		600	Mbps				
System Performance and Capacity							
IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP)		5 / 5 /	5 Gbps				
Firewall Latency (64 byte, UDP)		2.97 µs					
Firewall Throughput (Packet per Second)	7.5 Mpps						
Concurrent Sessions (TCP)		700	000				
New Sessions/Second (TCP)		35	000				
Firewall Policies		50	000				
IPsec VPN Throughput (512 byte) <sup>1</sup>		4.4 Gbps					
Gateway-to-Gateway IPsec VPN Tunnels	200						
Client-to-Gateway IPsec VPN Tunnels		2	50				
SSL-VPN Throughput		490	Mbps				
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)							
SSL Inspection Throughput (IPS, avg. HTTPS) <sup>3</sup>		310	Mbps				
SSL Inspection CPS (IPS, avg. HTTPS) <sup>3</sup>		3	20				
SSL Inspection Concurrent Session (IPS, avg. HTTPS) <sup>3</sup>		55	000				
Application Control Throughput (HTTP 64K) <sup>2</sup>		990	Mbps				
CAPWAP Throughput (HTTP 64K)	3.5						
Virtual Domains (Default / Maximum)		10 / 10					
Maximum Number of FortiSwitches Supported		8					
Maximum Number of FortiAPs (Total / Tunnel)	16 / 8						
Maximum Number of FortiTokens		5	00				
High Availability Configurations		Active-Active, Activ	e-Passive, Clustering				

Note: All performance values are "up to" and vary depending on system configuration.

<sup>1</sup> IPsec VPN performance test uses AES256-SHA256.

 $^{\rm 2}$  IPS (Enterprise Mix), Application Control, NGFW and Threat Protection are measured with Logging enabled.

<sup>3</sup> SSL Inspection performance values use an average of HTTPS sessions of different cipher suites.

 $^{\scriptscriptstyle 4}$  NGFW performance is measured with Firewall, IPS and Application Control enabled.

<sup>5</sup> Threat Protection performance is measured with Firewall, IPS, Application Control and Malware Protection enabled.

# **Specifications**

Dinestion and PowerHight X Mith Length (meth)15 8 5 4 5 416 8 5 × 21 6 × 10Hight X Mith Length (meth)36 5 × 21 6 × 1040.5 × 21 6 × 10Hight X Mith Length (meth)2.2 los (1 kg)2.2 los (1 kg)Form Patter Form Patter Inter Nation100 kg x 21 los (1 kg)2.2 los (1 kg)Power Boguine C100 kg x 20 kg		FORTIGATE 40F	FORTIWIFI 40F	FORTIGATE 40F-3G4G	FORTIWIFI 40F-3G4G		
Height x Width x Langth (xm)     38.5 × 216 × 180     40.5 × 216 × 180       Weight     2.2 bits (1kg)     2.2 bits (1kg)       Comp Tacing Team Team (1kg)     Desktop     Desktop       Input Raing     T2Vic, 3A     T2Vic, 3A     T2Vic, 3A       Power Required     Power Input Raing     1002 / 400 / 400 / 02A, 240V AC / 02A     1002 / 400 / 400 / 02A       Power Required     T2Vic, 3A     1000 / AC / 02A, 240V AC / 02A     1002 / 400 / 400 / 02A       Power Required     T2Vic, 3A     1000 / AC / 02A, 240V AC / 02A     1000 / 400 / 02A       Power Required     T2Vic, 3A     1000 / AC / 02A, 240V AC / 02A     1000 / 400 / 02A       Power Required     T2Vic, 5A     1000 / 400 / 02A, 240V AC / 02A     1000 / 400 / 02A       Power Required     T2Vic, 5A     1000 / 400 / 02A, 240V AC / 02A     1000 / 400 / 02A     1000 / 400 / 02A       Power Required     T2Vic, 5A     T2Vic, 5A     1000 / 400 / 02A     1000 / 400 / 02A     1000 / 400 / 02A       Power Required     T2Vic, 5A     T2Vic, 5A     T2Vic, 5A     1000 / 400 / 02A       Power Required     T2Vic, 5A     T2Vic, 5A     T2Vic, 5A     1000 / 400 / 02A	Dimensions and Power						
Weight   2 lbs (Hg)   2 lbs (Hg)     Form Setting Form Setting topp the Linguet Astandards) input Rating   Tavke, 3A     Nower Required   Tavke, 3A     Power Required   Tavke, 3A     Power Required   Powered by Extend DC Power Adapter, 100°-240° A/C 50(50 Hz   Power Required     Power Required   Tavke, 3A   Tavke, 3A     Power Required   Powered by Extend DC Power Adapter, 100°-240° A/C 50(50 Hz   Tavke, 3A     Power Required   Tavke, 3A   Tavke, 3A     Noise Level   Tavke, 3A   Tavke,	Height x Width x Length (inches)	1.5 ×	8.5 × 6.3	1.6 × 8.5 × 6.3			
Ferm Factor (supports EL/AndersA)     Desktop     Desktop       Input Rating     12Vdc, 3A     12Vdc, 3A       Power Required     Power Adapter, 100-2440V AC, 5000 Power Adapter, 100-240V AC, 5000 Power Adapter, 100 Power Adapter, 5000 Power Adapter, 100 Power Adapter, 5000 Power Adapter, 100 Power Adapter, 100 Power Adapter, 100 Power	Height x Width x Length (mm)	38.5 ×	216 × 160	40.5 × 216 × 160			
(stupper ERAnon-ERA standards)     12Vdc. 3A     12Vdc. 3A     12Vdc. 3A       Power Reguind     12Vdc. 3A     Powered by External DC Power Adapter 100-240V AC, 5040 Hz     Powered by external DC Power adapter 100-240V AC, 5040 Hz       Current (Maximum)     100V AC / 0.2A, 240V AC, 101A     Powered by External DC Power Adapter 100-240V AC, 5040 Hz     18.8 W / 18.8 W       Powered prison     32.55 BTU/h     56.64 BTU/h     58.50 Hz     67.65 BTU/h       Powered prison     32-51 D4F (0 <sup>+-</sup> -40 <sup></sup> C)     57.65 BTU/h     67.65 BTU/h     67.65 BTU/h       Powered prison     32 <sup>1</sup> D4F (0 <sup>+-</sup> -40 <sup></sup> C)     57.65 BTU/h     67.65 BTU/h     67.65 BTU/h       Powered prison     32 <sup>1</sup> D4F (0 <sup>+-</sup> -40 <sup></sup> C)     57.65 BTU/h     57.65 BTU/h     57.65 BTU/h       Powered prison     32 <sup>1</sup> D4F (0 <sup>+-</sup> -40 <sup></sup> C)     57.65 BTU/h     57.65 BTU/h     57.65 BTU/h       Powered prison     S7.64 D4F (0 <sup>+-</sup> -40 <sup></sup> C)     57.65 BTU/h     57.65 BTU/h     57.65 BTU/h       Powered prison     S7.65 BTU/h     57.65 BTU/h<	Weight	2.2	bs (1 kg)	2.2 lbs (1 kg)			
Power Required     Powered by External DC Power Adaptor, tob - 240V AC, 5080 Hz     Powered by external DC power adaptor tob - 240V AC, 5080 Hz       Current (Maximum)     100V AC / 0.2A, 240V AC / 01A     100V AC / 0.3A, 240V AC / 02A       Power Required     100V AC / 0.3A, 240V AC / 01A     100V AC / 0.3A, 240V AC / 02A       Power Required     15.8 W / 18.6 W     18.6 W / 18.6 W       Power Required     52.55 BTU/h     56.64 BTU/h     63.5 BTU/h     67.6 BTU/h       Operating Environment and Certifications		De	esktop	Des	sktop		
Tob-240V AC, SO(R) Hz     TODO YAC, SO(R) Hz       Courrent Maximum     1000V AC / SO(R) VAC / OLA     1000V AC / SO(R) / SO(R)       Power Consumption (Reversige / Maximum)     774 W/ 9.4 kW     154 W / 156 W     158 W / 158 W       Heat Dissipation Storage Temperature     52.55 BTU/h     63.5 BTU/h     63.5 BTU/h       Operating Environment and Certifications     -31**158*F (-33*-70*)     -       Storage Temperature     -31**158*F (-33*-70*)     -       Storage Temperature     -31**158*F (-33*-70*)     -       Storage Temperature     -31**158*F (-33*-70*)     -       Operating Mittude     -010**400 tri (228 or -     -       Operating Mittude     -010**400 tri (228 or -     -       Compliance     FCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CB     -       Radio Specifications     -     -     -       Muktip (MU) MIMO     N/A     3 x 3     N/A     3 x 3       Maximum XF Power     N/A     2 delfa     3 del § 2.4 dHz     5 delfa, 2 dM Mps § 2.4 dHz	Input Rating	12\	/dc, 3A	12Vo	dc, 3A		
Prover Consumption Character (Maximum)774 W / 9.46 W14.6 W / 16.8 W15.8 W / 18.6 W18.6 W / 18.8 WHead Dissipation52.55 BTU/n56.64 BTU/n63.5 BTU/n67.6 BTU/nOperating Temperature32**04*F (0*-0**)50.64 BTU/n67.6 BTU/nStorage Temperature-31**-158*F (-35**, 70*C)100**-90% noncondensing100**-90% noncondensingNoise LevelFanless O IdAComplianceCompliance100**-90% noncondensingComplianceCCC, CEC, CE, CR, VV, CCL, BSM, UL/LUL, CBCompliance3 × 3CortificationsICSA Labs: Firewalt, IPsec, IPS, Anttvirus, SSL-VPNSI-04**, 450 Mbps @ 2.4 GHzRadio SpecificationsN/A3 × 3NA3 × 3Maximum YH-FI SpeedsN/A1300 Mbps @NA3 × 3Nakimum Tx PowerN/A20 dBmN/A2.0 dBmMadem ModelN/A3 5 dBI @ 5 GH2, 5 dBI @ 5 GH2, 5 dBI @ 2.4 GH2Si dBI @ 2.4 GH25 dBI @ 2.4 GH2RegionsN/A3 5 dBI @ 5 GH2, 5 dBI @ 5 GH2, 5 dBI @ 5 GH2, 5 dBI @ 2.4 GH2Si dBI @ 2.6 G	Power Required						
Kaverage / Maximum)     S2/SB BTU/h     S6.86 BTU/h     G3.5 BTU/h <thg3.5 btu="" h<="" th="">     G3.5 BTU/h     &lt;</thg3.5>	Current (Maximum)	100V AC / 0.2	A, 240V AC / 0.1A	100V AC / 0.3A	, 240V AC / 0.2A		
Operating Temperature     324-104'F (0°-40'C)       Storage Temperature     324-104'F (0°-40'C)       Storage Temperature     -31*-158'F (-35'-70'C)       Humidity     10%-90% non-condensing       Noise Level     Fanless 0 dBA       Operating Altitude     Up to 7400 tr (2250 m)       Compliance     FCC, ICES, CE, RCM, VCO, RSM, UL/LUL, CB       Certifications     ICSA Labs. Flirewall, IPsec, IPS, Anti-UL, SS. VPN       Ratio Specifications     1300 Mbps @ 2.4 GHz       Muthple (MU) MMO     N/A     3 x 3     N/A     3 x 3       Maximum Wi-FI Speeds     N/A     3 x 3     S GHZ, 450 Mbps @ 2.4 GHz     5 GHz, 450 Mbps @ 2.4 GHz       Maximum TX Power     N/A     2 0 dBm     N/A     2 0 dBm       Antenna Gain     N/A     2 0 dBm     S GHZ, 95 GHZ, 5 GHZ, 450 Mbps @ 2.4 GHz     5 GHZ, 5		7.74 W / 9.46 W	14.6 W / 16.6 W	15.8 W / 18.6 W	18.6 W / 19.8 W		
Operating Temperature     32°-104°F (0°-40°C)       Storage Temperature     -31°-158°F (-35°-70°C)       Humidity     10%-90% onn-condensing       Noise Level     Faniess 0 dBA       Operating Altitude     Up to 7400 ft (2250 m)       Compliance     FCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CB       Cartifications     ICSA Labs: Firewall, Prese, IPS, Antivirus, SSL-VPN       Radio Specifications     SCAS Labs: Firewall, Prese, IPS, Antivirus, SSL-VPN       Maximum Wi-Fi Speeds     N/A     3 × 3       N/A     3 × 3     N/A     3 × 3       Maximum Wi-Fi Speeds     N/A     3 × 3     SCAR, 200 dBm       Antenna Gain     N/A     20 dBm     N/A     20 dBm       Antenna Gain     N/A     20 dBm     SCAR, 20 dBm     SCAR, 200 dBm       Modem Model     N/A     20 dBm     SCAR, 20 dBm     SCAR, 20 dBm       ITE Category     N/A     SCAR, 20 dBm     SCAR, 20 dBm     SCAR, 20 dBm       ITE Category     N/A     SCAR, 20 dBm     SCAR, 20 dBm     SCAR, 20 dBm       ITE Category     N/A     SCAR, 20 dBm     SCAR, 20 dBm     SC	Heat Dissipation	52.55 BTU/h	56.64 BTU/h	63.5 BTU/h	67.6 BTU/h		
Storage Temperature     -31°-158°F (-35°-70°C)       Humidity     10%-90% non-condensing       Noise Level     FRANCE SO GBA       Operating Attitude     Up to 7400 ft (225 m)       Compliance     FCC, ICES, CE, RCM, VCCI, BSM, UL/CUL, CB       Certifications     ISSPECIFICATIONS       Multiple (MU) MINO     N/A     3 × 3       Maximum Wi-FIS Speedfs     N/A     1300 Mbps @       Maximum Wi-FIS Speedfs     N/A     1300 Mbps @     N/A     1300 Mbps @       Maximum Wi-FIS Speedfs     N/A     1300 Mbps @     N/A     1300 Mbps @     S.41%     3 × 3       Maximum Wi-FIS Speedfs     N/A     1300 Mbps @     N/A     1300 Mbps @     S.41%     3 × 3       Maximum Wi-FIS Speedfs     N/A     1300 Mbps @     N/A     1300 Mbps @     S.61%     3 × 3       Maximum X-Power     N/A     20 dBm     N/A     20 dBm     3.5 dBl @ ScHz, 4SD Mbps @ 2.4 GHz     S dBl @ ScHz, 4SD Mbps @ 2.4 GHz     S dBl @ ScHz, 4SD Mbps @ 2.4 GHz     S dBl @ ScHz, 4SD Mbps @ 2.4 GHz     S dBl @ ScHz, 4SD Mbps @ 2.4 GHz     S dBl @ ScHz,	Operating Environment and Certifications						
Immunity     10%-90% non-condensing       Noise Level     Fanless 0 dBA       Operating Altitude     Up to 7400 ft (225 m)       Compliance     FCC, ICES, CE, RCM, VCCI, BSMI, UL/, CB       Corrifications     ICISA Labs: Firewall, Psec, IPS, Antivirus, SSL-VPN       Radio Specifications     ICISA Labs: Firewall, Psec, IPS, Antivirus, SSL-VPN       Maximum Wi-FI Speeds     N/A     3 × 3       Maximum Xi-FI Speeds     N/A     3 × 3       Maximum TX Power     N/A     20 dBm     N/A     20 dBm       Antenna Gain     N/A     20 dBm     N/A     20 dBm       Moder Model     N/A     20 dBm     S dBi @ 5CHz, 450 Mbps @ 2.4 CHz     S dBi @ 5CHz, 450 Mbps @ 2.4 CHz       Regional Compatibility     N/A     20 dBm     N/A     20 dBm       Moder Model     N/A     S dBi @ 2.4 CHz     N/A     S dBi @ 5CHz, 55 CHz, 450 Mbps @ 2.4 CHz       Regions     N/A     20 dBm     N/A     20 dBm       Moder Model     N/A     S dBi @ 2.4 CHz     S dBi @ 5CHz, 55 CHz, 450 Mbps @ 2.4 CHz       Itte Eategony     N/A     A     S dBi @ 5CHz, 55 CHZ, 450 McS <td>Operating Temperature</td> <td></td> <td>32°-104°F</td> <td>(0°-40°C)</td> <td></td>	Operating Temperature		32°-104°F	(0°-40°C)			
Nise Level     Fanless 0 dBA       Operating Altitude     Up to 7400 ft. (2250 m)       Compliance     FCCC, ICES, R.OM, VCCI, BSMI, UL/cUL, CB       Certifications     ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN       Radio Specifications     ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN       Mutiple (MU) MIMO     N/A     3 × 3       Maximum Wi-Fi Speeds     N/A     3 × 3       Maximum SV-Power     N/A     2 0 dBm       N/A     2 0 dBm     N/A     2 0 dBm       Antenna Gain     N/A     2 0 dBm     N/A     2 0 dBm       Moder Model     N/A     2 5 dBi @ 2.4 GHz     5 dBi @ 2.4 GHz     5 dBi @ 2.4 GHz       Regional Compatibility     S dBi @ 2.4 GHz     N/A     3.5 dBi @ 2.4 GHz     5 dBi @ 2.4 GHz	Storage Temperature		-31°-158°F (	-35°-70°C)			
Operating Altitude     Up to 7400 ft. (2250 m)       Compliance     FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB       Certifications     ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN       Ratiospecifications     VIA     3 × 3       Multiple (MU) MIMO     N/A     3 × 3     N/A     3 × 3       Maximum WI-Fi Speeds     N/A     1300 Mbps @ 2.4 GHz     S GHZ, 450 Mbps @ 2.4 GHz     S GHZ & GHB     S GHZ &	Humidity		10%–90% non-	condensing			
Compliance     FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB       Cartifications     ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN       Radio Specifications     VIA     3 × 3       Multiple (MU) MIMO     N/A     3 × 3       Maximum WI-FI Speeds     N/A     3 × 3       Maximum WI-FI Speeds     N/A     3 × 3       Maximum TX Power     N/A     20 dBm     N/A     20 dBm       Antenna Gain     N/A     20 dBm     N/A     20 dBm       Regional Compatibility     N/A     3 5 dBi @ 5 GHz, 5 dBi @ 2.4 GHz     S dBi @ 2.4 GHz     S dBi @ 2.4 GHz       Regional Compatibility     N/A     S dBi @ 2.4 GHz     <	Noise Level		Fanless	0 dBA			
Certifications     ICSA Labs: Firewall, IPSec, IPS, Antivirus, SSL-VPN       Radio Specifications     NIA     3 × 3     N/A     3 × 3       Multiple (MU) MMO     N/A     3 × 3     N/A     3 × 3       Maximum Wi-Fi Speeds     N/A     3 × 3     N/A     3 × 3       Maximum Wi-Fi Speeds     N/A     2 × 3     1300 Mbps @ c + 4 GHz     1300 Mbps @ c + 4 GHZ <th>Operating Altitude</th> <th></th> <th>Up to 7400 ft</th> <th>(2250 m)</th> <th></th>	Operating Altitude		Up to 7400 ft	(2250 m)			
Multiple (MU) MIMO   N/A   3 × 3   N/A   3 × 3     Maximum Wi-Fi Speeds   N/A   1300 Mbps @ 5 GHz, 450 Mbps @ 2.4 GHz   N/A   1300 Mbps @ 5 GHz, 450 Mbps @ 2.4 GHz     Maximum Tx Power   N/A   20 dBm   N/A   20 dBm     Antenna Gain   N/A   2.5 GBI @ 5GHz, 450 Mbps @ 2.4 GHz   N/A   2.0 dBm     Regional Compatibility   N/A   2.0 dBm   N/A   2.0 dBm     Modem Model   N/A   Sierra Wireless EM7565   C 2 SIM Siots, Active/Passive)     LTE Category   N/A   GAT-12   Employed CAT-12     LTE Bands   N/A   B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, E41, B42, E43, E46, E48, B66   Si OKTS/HSPA+     VITS/HSPA+   N/A   GSM/OPRS/EDGE   -     CDMA 1xRT/EV-DO Rev A   N/A   -   GSM/OPRS/EDGE     Diversity   N/A   FCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CB   N/A   Yes	Compliance		FCC, ICES, CE, RCM, VC	CI, BSMI, UL/cUL, CB			
Multiple (MU) MIMON/A3 × 3Maximum Wi-Fi SpeedsN/A1300 Mbps @ 5 GHz, 450 Mbps @ 2.4 GHzN/A1300 Mbps @ 5 GHz, 450 Mbps @ 2.4 GHzMaximum Tx PowerN/A20 dBmN/A2 dBmAntenna GainN/A3.5 dBi @ 5GHZ, 5 dBi @ 2.4 GHzN/A2.5 dBi @ 5GHZ, 5 dBi @ 2.4 GHzRegional CompatibilityImage: CompatibilityImage: CompatibilityImage: CompatibilityLTE CategoryN/ACAT-12UTTS / ISSPA+N/AB1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B31, B42, B43, B46, B48, B66UTTS / ISSPA+N/AImage: CompatibilityCDMA 1xRTT/EV-DD Rev AN/AImage: CompatibilityGoldel CertificationsN/AImage: CompatibilityModelN/AImage: CompatibilityUTTS / ISSPAN/AImage: CompatibilityUTTS / ISSPAN/AImage: CompatibilityITTE BandsN/ACAT-12ITTE BandsN/AImage: CompatibilityITTE CompatibilityN/AImage: CompatibilityITTE BandsN/AImage: CompatibilityITTE BandsN/AImage: CompatibilityITTE CompatibilityN/AImage: CompatibilityITTE BandsN/AImage: CompatibilityITTE BandsN/AImage: CompatibilityITTE BandsN/AImage: CompatibilityITTE CompatibilityN/AImage: CompatibilityITTE BandsN/AImage: CompatibilityITTE Compatibility	Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN					
Maximum Wi-Fi SpeedsN/A1300 Mbps @ 5 GHz, 450 Mbps @ 2.4 GHzN/A1300 Mbps @ 5 GHz, 450 Mbps @ 2.4 GHzMaximum Tx PowerN/A2 0 dBmN/A2 0 dBmAntenna GainN/A2 0 dBmN/A2 0 dBmRegional CompatibilityAll RegionsAll RegionsModelN/ASilerra Wireless EM7565 (2 SIM Stots, Active/Passive)All RegionsIt E CategoryN/AB1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B29, B30, B32, B41, B42, B43, B46, B48, B66UTS/HSPA+N/AN/A-CDMA 1xRT/FEV-DO Rev AN/AN/A-Module CertificationsN/AYesYesMINON/AYesN/AYes	Radio Specifications						
S GHZ, 450 Mbps @ 2.4 GHZ     S GHZ, 450 Mbps @ 2.4 GHZ       Maximum Tx Power     N/A     20 dBm       Antenna Gain     N/A     20 dBm       N/A     3.5 dBi @ 5 GHZ, 5 dBi @ 2.4 GHZ     N/A     20 dBm       Regional Compatibility     S dBi @ 2.4 GHZ     All Regions       Modem Model     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       TE Category     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       UTS/HSPA+     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       CDMA 1xRT/EV-DO Rev A     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       GSM/GPRS/EDCE     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       Module Certifications     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       Module Certifications     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       MiMO     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       MiMO     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       MiMO     N/A     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ     S dBi @ 2.4 GHZ       Mid S dD S d	Multiple (MU) MIMO	N/A	3 × 3	N/A	3 × 3		
Antenna GainN/A3.5 dBi @ 5.0Hz, 5 dBi @ 2.4 GHzN/A3.5 dBi @ 5.0Hz, 5 dBi @ 2.4 GHzRegional CompatibilityN/AAll RegionsRegionsN/AAll RegionsModem ModelN/ASierra Wireless EM7565 (2 SIM Slots, Activ/Passive)LTE CategoryN/ACAT-12LTE BandsN/ABl, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B13, B18, B19, B20, B28, B28, B26, B28, B29, B13, B18, B19, B20, B28, B28, B14, B18, B19, B20, B28, B28, B28, B28, B14, B18, B19, B20, B28, B28, B14, B14, B18, B19, B20, B28, B28, B14, B14, B14, B14, B14, B14, B14, B14	Maximum Wi-Fi Speeds	N/A		N/A			
Image: Stable 2.4 GHz     Stable 0.2.4 GHz       Regional Compatibility     Regions     N/A     All Regions       Moder Model     N/A     Sierra Wireless EM7565 (2 SIM Slots, Active/Passive)     Sierra Wireless EM7565 (2 SIM Slots, Active/Passive)       LTE Category     N/A     CAT-12       LTE Bands     N/A     B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66       UMTS/HSPA+     N/A     B1, B2, P4, B5, B6, B8, B9, B19       VCDMA     N/A     -       CDMA 1xRT/EV-DO Rev A     N/A     -       Module Certifications     N/A     FCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CB       Diversity     N/A     Yes	Maximum Tx Power	N/A	20 dBm	N/A	20 dBm		
RegionsN/AAll RegionsModem ModelN/ASilerra Wireless EM7565 (2 SIM Slots, Active/Passive)LTE CategoryN/ACAT-12LTE BandsN/AB1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66UMTS/HSPA+N/AB1, B2, B4, B5, B6, B8, B9, B19WCDMAN/AB1, B2, B4, B5, B6, B8, B9, B19WCDMAN/A-CDMA 1xRTT/EV-D0 Rev AN/A-GSM/GPRS/EDGEN/A-Module CertificationsN/AFCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CBDiversityN/AYes	Antenna Gain	N/A		N/A	- /		
Modem ModelN/ASierra Wire asModem ModelN/ASierra Wire asLTE CategoryN/ACAT-12LTE BandsN/AB1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66UMTS/HSPA+N/AB1, B2, B4, B5, B6, B8, B9, B19WCDMAN/AB1, B2, B4, B5, B6, B8, B9, B19CDMA 1xRTT/EV-DO Rev AN/A-GSM/GPRS/EDGEN/A-Module CertificationsN/AFCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CBDiversityN/AYes	Regional Compatibility						
LTE Category   N/A   CAT-12     LTE Bands   N/A   B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B20, B32, B41, B42, B43, B46, B48, B66     UMTS/HSPA+   N/A   B1, B2, D3, B4, B5, B5, B6, B8, B9, B12     VCDMA   N/A   B1, B2, B4, B5, B6, B8, B9, B12     GSM/GPRS/EDGE   N/A   -     Module Certifications   N/A   FCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CB     MIMO   N/A   Yes	Regions		N/A	All R	egions		
LTE BandsN/AB1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41, B42, B43, B46, B48, B66UMTS/HSPA+N/AB1, B2, B4, B5, B6, B8, B9, B19WCDMAN/A-CDMA 1xRTT/EV-DO Rev AN/A-GSM/GPRS/EDGEN/A-Module CertificationsN/AFCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CBDiversityN/AYes	Modem Model						
B30, B32, B41, B42, B43, B46, B48, B66       UMTS/HSPA+     N/A     B1, B2, B4, B5, B6, B8, B9, B19       WCDMA     N/A     -       CDMA 1xRTT/EV-D0 Rev A     N/A     -       GSM/GPRS/EDGE     N/A     -       Module Certifications     N/A     FCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CB       Diversity     N/A     Yes	LTE Category		N/A	CA	CAT-12		
WCDMA N/A -   CDMA 1xRTT/EV-DO Rev A N/A -   GSM/GPRS/EDGE N/A -   Module Certifications N/A FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB   Diversity N/A Yes   MIMO N/A Yes	LTE Bands						
CDMA 1xRTT/EV-DO Rev A     N/A     -       GSM/GPRS/EDGE     N/A     -       Module Certifications     N/A     FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB       Diversity     N/A     Yes       MIMO     N/A     Yes	UMTS/HSPA+		N/A	B1, B2, B4, B5,	B6, B8, B9, B19		
GSM/GPRS/EDGE     N/A     -       Module Certifications     N/A     FCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CB       Diversity     N/A     Yes       MIMO     N/A     Yes	WCDMA				-		
Module Certifications     N/A     FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB       Diversity     N/A     Yes       MIMO     Yes	CDMA 1xRTT/EV-DO Rev A	N/A -			-		
Diversity N/A Yes   MIMO N/A Yes	GSM/GPRS/EDGE		N/A		-		
MIMO N/A Yes	Module Certifications		N/A	FCC, ICES, CE, RCM,	/CCI, BSMI, UL/cUL, CB		
	Diversity		N/A	Ŷ	′es		
GNSS Bias N/A Yes	МІМО		N/A	Yes			
	GNSS Bias		N/A Yes				

### SUBSCRIPTIONS

				Bundles		
Service Category	Service Offering	A-la-carte	Enterprise Protection	SMB Protection	Unified Threat Protection	Advanced Threat Protection
Security Services	FortiGuard IPS Service	•	•	•	•	•
	FortiGuard Anti-Malware Protection (AMP) — Antivirus, Mobile Malware, Botnet, CDR, Virus Outbreak Protection and FortiSandbox Cloud Service		•	•	•	•
	FortiGuard Web Security — URL and web content, Video and Secure DNS Filtering	٠	•	•	•	
	FortiGuard Anti-Spam		•	•	•	
	FortiGuard IoT Detection Service	•	•			
	FortiGuard Industrial Security Service	•	•			
	FortiCloud AI-based Inline Sandbox Service <sup>1</sup>	•				
NOC Services	FortiGate Cloud (SMB Logging + Cloud Management)	•		•		
	FortiGuard Security Fabric Rating and Compliance Monitoring Service	•	•			
	FortiConverter Service	•	•			
	FortiGuard SD-WAN Underlay Bandwidth and Quality Monitoring Service	٠				
SOC Services	FortiAnalyzer Cloud	•				
	FortiAnalyzer Cloud with SOCaaS	•				
Hardware and Software Support	FortiCare Essentials	•				
	FortiCare Premium	•	•	•	•	•
	FortiCare Elite	•				
Base Services	FortiGuard Application Control					
	FortiCloud ZTNA Inline CASB Service <sup>1</sup>					
	Internet Service (SaaS) DB Updates					
	GeoIP DB Updates		included wit	h FortiCare Subsc	ription	
	Device/OS Detection Signatures					
	Trusted Certificate DB Updates					
	DDNS (v4/v6) Service					

<sup>1.</sup> Available when running FortiOS 7.2



### FortiGuard Bundles

FortiGuard Labs delivers a number of security intelligence services to augment the FortiGate firewall platform. You can easily optimize the protection capabilities of your FortiGate with one of these FortiGuard Bundles.

### FortiCare Elite

FortiCare Elite services offers enhanced service-level agreements (SLAs) and accelerated issue resolution. This advanced support offering provides access to a dedicated support team. Single-touch ticket handling by the expert technical team streamlines resolution. This option also provides Extended End-of-Engineering-Support (EoE's) of 18 months for added flexibility and access to the new FortiCare Elite Portal. This intuitive portal provides a single unified view of device and security health.

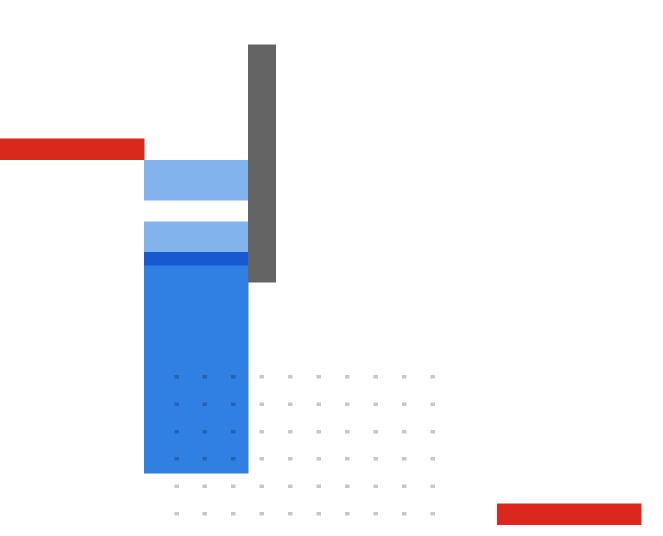
### Fortinet CSR Policy

Fortinet is committed to driving progress and sustainability for all through cybersecurity, with respect for human rights and ethical business practices, making possible a digital world you can always trust. You represent and warrant to Fortinet that you will not use Fortinet's products and services to engage in, or support in any way, violations or abuses of human rights, including those involving illegal censorship, surveillance, detention, or excessive use of force. Users of Fortinet products are required to comply with the Fortinet EULA and report any suspected violations of the EULA via the procedures outlined in the Fortinet Whistleblower Policy.

# **Ordering Information**

Product	SKU	Description
FortiGate 40F	FG-40F	5 x GE RJ45 ports (including 4 x Internal Ports, 1 x WAN Ports).
FortiWiFi 40F	FWF-40F-[RC]	5 x GE RJ45 ports (including 4 x Internal Ports, 1 x WAN Ports), Wireless (802.11a/b/g/n/ac-W2).
FortiGate 40F-3G4G	FG-40F-3G4G	5 x GE RJ45 ports (Including 1 x WAN port, 4 x Switch ports) with Embedded 3G/4G/LTE wireless wan module, external SMA WWAN antennas included.
FortiWiFi 40F-3G4G	FWF-40F-3G4G-[RC]	5 x GE RJ45 ports (Including 1 x WAN port, 4 x Switch ports) with Embedded 3G/4G/LTE wireless wan module, Wireless (802.11a/b/g/n/ac- W2), external SMA WWAN and wireless antennas included.
<b>Optional Accessories</b>		
Rack Mount Tray	SP-RACKTRAY-02	Rack mount tray for all FortiGate E series and F series desktop models are backwards compatible with SP-RackTray-01. For list of compatible FortiGate products, visit our Documentation website, docs.fortinet.com
AC Power Adaptor	SP-FG-40F-PA-10(-XX)	Pack of 10 AC power adaptors for FG/FWF-40F, come with interchangeable power plugs. (XX=various countries code).
Wall Mount Kits	SP-FG60F-MOUNT-20	Pack of 20 wall mount kits for FG/FWF-40F series, FG/FWF-60F series, FG-80F, FG-81F and FG-80F-Bypass.

[RC] = regional code: A, B, D, E, F, I, J, N, P, S, V, and Y





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