

# 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



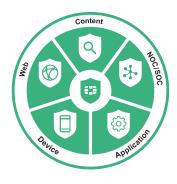


Intuitive easy to use view into the network and endpoint vulnerabilities

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



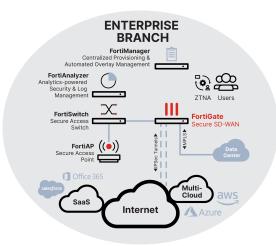
### Secure SD-WAN

- 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)		2.9	7 µs			
Firewall Throughput (Packet per Second)	7.5 Mpps					
Concurrent Sessions (TCP)		700	000			
New Sessions/Second (TCP)		35	000			
Firewall Policies	icies 5000					
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)		2	00			
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 Gbps				
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 (mich)15 8 5 4 5 416 8 5 × 21 6 × 10Hight X Mith Length (mich)36 5 × 21 6 × 1040.5 × 21 6 × 10Hight X Mith Length (mich)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 (xmm)     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 Rating     T2Vic, 3A     T2Vic, 3A     T2Vic, 3A       Power Required     Power Input Rating     T2Vic, 3A     T2Vic, 3A     T2Vic, 3A       Corrent (Maximum)     1000 AC / 0.2A, 240 VA C / 0.3A     1000 VA C / 0.3A, 240 VA C / 0.3A     240 VA C / 0.3A       Power Required     T2Vic, 3A     1000 VA C / 0.2A, 240 VA C / 0.3A     1000 VA C / 0.3A, 240 VA C / 0.3A       Power Required     T2Vic, 54 VI / 9.46 W     16.6 W / 16.6 W     15.8 W / 18.8 W     16.8 W / 19.8 W       Power Required     T2VIC / 54.6 VI / 16.0 W     15.8 W / 18.8 W     16.8 W / 19.8 W       Power Required     T2VIC / 54.6 VI / 16.0 W     15.8 W / 18.8 W     18.8 W / 19.8 W       Power Required     T2VIC / 54.6 VI / 16.0 W     15.8 W / 18.8 W     18.8 W / 18.8 W       Power Required     T2VIC / 54.7 VI / 24.0 W / 24.0 VI / 24.0 WI / 24.0 VI	Dimensions and Power					
Weight   2 lbs (Hg)   2 lbs (Hg)     Form Setting Form Setting topp the Linguet Astandards) input Rating   Tavke, 3A     Now Required   Tavke, 3A     Power Required   Tavke, 3A     Power Required   Powered by Extend DC Power Adapter, 100-2407 AC, 50(50 Hz   Tavke, 3A     Power Required   Tavke, 3A   Tavke, 3A     Power Required   Powered by Extend DC Power Adapter, 100-2407 AC, 50(50 Hz   Tavke, 3A     Power Required   Tavke, 3A   Tavke, 3A     Notis Less   France Nath   Tavke, 3A	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 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX AUX AC, 5000 eV AC, 100-24, 2VA C/ 0.3A, 2002 AUX	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     100V AC / 0.2A, 240V AC, 101A       Powered prison     32.55 BTU/h     66.64 BTU/h     63.5 BTU/h     67.65 BTU/h       Powered prison     32-51 D4Fr (0 <sup>+-</sup> -40 <sup></sup> C)     67.65 BTU/h     67.65 BTU/h     67.65 BTU/h       Powered prison     32-51 D4Fr (0 <sup>+-</sup> -40 <sup></sup> C)     50.66 BTU/h     67.65 BTU/h     67.65 BTU/h       Storage Temperature     32-51 D4Fr (0 <sup>+-</sup> -40 <sup></sup> C)     50.65 BTU/h     50.67 BTU/h     50.67 BTU/h       Noise Level     32-51 D4Fr (0 <sup>+-</sup> -40 <sup></sup> C)     50.67 BTU/h     50.67 BTU/h     50.67 BTU/h       Constanting     32-51 D4Fr (0 <sup>+-</sup> -40 <sup></sup> C)     50.67 BTU/h     50.67 BTU/h     50.67 BTU/h       Constanting     50.67 BTU/h     50.67 BTU/h     50.67 BTU/h     50.67 BTU/h       Constanting     50.67 BTU/h     50.67 BTU/h     50.67 BTU/h     50.67 BTU/h       Constanting     50.68 BTU/h     50.67 BTU/h     50.68 BTU	Weight	2.2	bs (1 kg)	2.2 lbs (1 kg)		
Power Required     Powered by External DC Power Adaptor, 100-2407 VAC, 5068 Hz     Powered by external DC power adaptor 100-2407 VAC, 5068 Hz       Current (Maximum)     100 VAC / 0.2A, 240 VAC / 01A     100 VAC / 0.3A, 240 VAC / 05A       Power Required     100 VAC / 0.3A, 240 VAC / 01A     100 VAC / 0.3A, 240 VAC / 05A       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     0.25.55 BTU/h     56.64 BTU/h     63.5 BTU/h     67.6 BTU/h       Operating Environment and Certifications     0.25.7 BTU/h     67.8 BTU/h     67.8 BTU/h       Noise Level     Familess 0 BIA     100 VAC / 0.40 VC     100 VAC / 0.40 VC     100 VAC / 0.40 VC       Operating Environment and Certifications     Up to 7400 tf (2250 m)     100 VAC / 0.40 VC     100 VAD /		De	esktop	Des	ktop	
Tob-240V AC, SO(R) Hz     TODO YAC, SO(R) Hz       Current 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       Net to Issign for Socrage Temperature     52.55 BTU/h     63.5 BTU/h     63.5 BTU/h       Operating Environment and Certifications     -31**158*F (-35*-70*)     -       Storage Temperature     -31**158*F (-35*-70*)     -       Operating Mittude     -010*+000 ft (220 m)     -       Compliance     -10**000 ft (220 m)     -       Compliance     FCC, ICES, CE, ROM, VCC (85MI, UL/CU, U, CS     -       Radio Specifications     -     -     -       Maximum Wi-FF Speeds     N/A     3 × 3     N/A     3 × 3       Maximum Wi-FF Speeds     N/A     2 × 04Hz     5 × 04Hz     5 × 04Hz       Rotand Compatibility     N/A     2 × 04Hz     5 × 04Hz     5 × 04H	Input Rating	12\	/dc, 3A	12Vc	lc, 3A	
Prover consumption Caverage / Maximum7.74 W / 9.46 W14.6 W / 16.8 W15.8 W / 18.8 W / 18.8 WHead Dissipation52.55 BTU/n56.64 BTU/n63.5 BTU/n67.6 BTU/nOperating Temperature32°-104°F (0°-40°C)50.64 BTU/n67.6 BTU/nStorage Temperature-31°-158°F (-33°-70°C)100°-90% non-condensing100°-90% non-condensingNoise LevelFanless Ota A50.60 K100°-90% non-condensingComplianceCFCC/CES, CE, RCM, VCCI, BSM, UU/LOUL, CB100°-90% non-condensingComplianceFCC/CES, CE, RCM, VCCI, BSM, UU/LOUL, CB100°-90% non-condensingRatio SpecificationsICSA Labs: Firewalt, IPaec, IPS, Antivirus, SSL-VPN3 × 3Maximum Wi-FI SpeedsN/A3 × 3NA3 × 3Maximum Xi-Fi SpeedsN/A1300 Mbps @ 2.4 GHz1300 Mbps @ 2.4 GHz1300 Mbps @ 2.4 GHzRationa CavinN/A3 5 dBI @ 5 GHZ, 450 Mbps @ 2.4 GHzNA3 5 GBI @ 5 GHZ, 5 dBI @ 2.4 GHzS GHB @ 5 GHZ, 5 GHB @	Power Required					
Kaverage / Maximum)     S2/58 BTU/h     S6.86 BTU/h     G3.58 BTU/h <th>Current (Maximum)</th> <th>100V AC / 0.2</th> <th>A, 240V AC / 0.1A</th> <th colspan="3">100V AC / 0.3A, 240V AC / 0.2A</th>	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: Firewall, IPsec, IPS, Antivuts, SSL-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, 650 KES, 5 GHZ, 6 GHZ, 5 GHZ,		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% ton-condensing       Noise Level     Faniess 0 dBA       Operating Altitude     Up to 7400 ft (2250 m)       Compliance     FCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CB       Cortifications     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     N/A     25 dBig 2.4 GHz       Regional Compatibility     ITE Category     N/A     25 dBig 2.4 GHz     5 dBig 2.4 GHz       ITE Category     N/A     MA     18, B2, B3, B4, B5, B5, B8, B6, B8, B9, B19     M       MCMCMA     N/A     GAT-12     ITE Bands     ITE Category     N/A     GAT-12       ITE Category     N/A     N/A <td>Heat Dissipation</td> <td>52.55 BTU/h</td> <td>56.64 BTU/h</td> <td>63.5 BTU/h</td> <td>67.6 BTU/h</td>	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   Operating 0 than - condensing     Operating Attitude   Up to 7400 fr (255 m)     Compliance   FCC, ICES, CE, RCM, VCOL, BSMI, UL/cUL, CB     Cortifications   ICSA Labs: Firewall, IPsec, IPS, Anttivirus, SSL-VPN     Radio Specifications   ICSA Labs: Firewall, IPsec, IPS, Anttivirus, SSL-VPN     Mutiple (MU) MIMO   N/A   3 × 3     Maximum WFir Speeds   N/A   1300 Mbps @     Storage Temperature   N/A   20 dBm     Maximum XP Ower   N/A   20 dBm     Antenna Gain   N/A   5 dBi @ 2.4 GHz     Regions   N/A   20 dBm     Modem Model   N/A   5 dBi @ 2.4 GHz     Regions   N/A   20 dBm     Matema Gain   N/A   5 dBi @ 2.4 GHz     Regions   N/A   5 dBi @ 2.4 GHz     Regions   N/A   5 dBi @ 2.4 GHz     Regions   N/A   S dBi @ 2.4 GHz     Regions   N/A   S dBi @ 2.4 GHz     Regions   N/A   S dBi @ 2.4 GHz     Regions   N/	Operating Environment and Certifications					
Hundity     10%-90% non-condensing       Noise Level     Faches 0 dBA       Operating Attitude     Cup to 7400 ft (2250 m)       Compliance     CPC (CES, CE, RCM, VCCI, BSM, UL/CUL, CB       Certifications     CISA Labes: Firewall, Pisee, IPS, Antivirus, SSL-VPN       Radio Specifications     CISA Labes: Firewall, Pisee, IPS, Antivirus, SSL-VPN       Multiple (MU) MIMO     N/A     3 × 3     N/A     3 × 3       Maximum Wi-FI Speeds     N/A     3 × 3     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       Modem Model     N/A     20 dBm     All Regions       ITE Category     N/A     20 dBm     All Regions       ITE Category     N/A     Bl, B2, B3, B4, B5, B7, B4, B9, B1, B1, B1, B2, D3, B4, B4, B48, B66     B30       UTS/HSPA+     N/A     Colspan= 2	Operating Temperature		32°-104°F	(0°-40°C)		
Nise Level     Fanless 0 dBA       Operating Altitude     Up to 7400 ft (2250 m)       Compliance     FCCC, ICES, CE, RCM, VCCL, BSMI, UL/CUL, CB       Certifications     ICSA Labs: Texturely, IPsec, IPS, Antivirus, SSL-VPN       Radio Specifications     ICSA Labs: Texturely, IPsec, IPS, Antivirus, SSL-VPN       Muttiple (MU) MIMO     N/A     3 × 3       Maximum Wi-Fi Speeds     N/A     3 × 3       Maximum XV-Power     N/A     20 dBm     N/A     3 × 3       Maximum Tx Power     N/A     20 dBm     N/A     2.5 dBi @ 2.4 GHz       Regional Compatibility     S dBi @ 2.4 GHz     S dBi @ 2.4 GHz     S dBi @ 2.4 GHz       Regions     N/A     3.5 dBi @ 2.4 GHz     S dBi @ 2.4 GHz     S dBi @ 2.4 GHz       Regional Compatibility     N/A     3.5 dBi @ 2.4 GHz     S dBi @ 2.4 GHz </td <td>Storage Temperature</td> <td></td> <td>-31°-158°F (</td> <td>-35°-70°C)</td> <td></td>	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 GHB <td>Humidity</td> <td></td> <td>10%-90% non-</td> <td>condensing</td> <td></td>	Humidity		10%-90% non-	condensing		
Compliance     FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB       Certifications     ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN       Radio Specifications     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     5 GHz, 450 Mbps @ 2.4 GHz	Noise Level	Fanless 0 dBA				
Certifications     ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN       Radio Specifications     NIA     3 × 3       Multiple (MU) MIMO     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 + 6Hz     5 GHZ, 450 Mbps @ 2.4 GHz     S GHZ, 450 Mbps @ 2.4 GHz     5 GHZ, 450 Mbps @ 2.4 GHZ     1300 Mbps @ c + 2 GHZ, 450 Mbps @ 2.4 GHZ     S GHZ, 450 Mbps @ 2.4 GHZ     S GHZ, 450 Mbps @ 2.4 GHZ     N/A     2 0 dBm       Maximum TA Power     N/A     2 0 dBm     N/A     2 0 dBm     N/A     2 0 dBm       Regions     N/A     2 5 dBI @ 5 GHZ, 5 dBI @ 2.4 GHZ     N/A     3 5 dBI @ 2.4 GHZ     S GHZ @ 5 GHZ, 5 dBI @ 2.4 GHZ     N/A     S GBI @ 2.4 GHZ     S GBI @ 2.4 GHZ     N/A     S GBI @	Operating Altitude	Up to 7400 ft (2250 m)				
Radio Specifications     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   20 dBm   N/A   20 dBm     Regional Compatibility   N/A   3.5 dBi @ 5GHz, 5 dBi @ 2.4 GHz   Sierral Wireless EM7565 (2 SIM Sinds, Active/Passive)     LTE Category   N/A   All Regions     M/A   OXA   B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, E41, B42, B43, B46, B48, B66     UMTS/HSPA+   N/A   GT   GM/A   GT     GSM/OPRS/EDGE   N/A   FCC, ICES, CE, RCM, VCCI, BSMI, UL/CUL, CB   N/A   Yes     MMO   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/A20 dBmAntenna GainN/A3.5 dBi @ 5GHz, 5 dBi @ 2.4 GHzN/A2.5 dBi<@ 2.4 GHzRegionsN/A3.5 dBi @ 5GHz, 5 dBi @ 2.4 GHzN/A3.5 dBi @ 5GHZ, 5 dBi @ 2.4 GHzRegionsN/AAll RegionsModern ModelN/ACAT-12LTE 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/A-GOMA 1ceN/A-GOMA 2ce CAT-12N/A-CommunicationsN/A-Module CertificationsN/A-DiversityN/A-ModelN/A-ModelN/A-Module CertificationsN/A-Module CertificationsN/A-Module CertificationsN/A-MimodelN/A-Module CertificationsN/A-Module CertificationsN/A-Module CertificationsN/AYes	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 @ 5GHz, 5 dBi @ 2.4 GHzN/A3.5 dBi @ 5GHz, 5 dBi @ 2.4 GHzRegional CompatibilityN/AAll RegionsRegionsN/AAll RegionsModem ModelN/ASterra 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, CA, CAT-12CDMA 1xRTT/EV-DO Rev AN/A-GSM/GPRS/EDCEN/A-Module CertificationsN/AFCC, ICES, CE, RCM, VCC, BSMI, UL/cUL, CBDiversityN/AN/AYes	Maximum Wi-Fi Speeds	N/A		N/A	, .	
Image: Stall @ 2.4 GH2     Stall @ 2.4 GH2       Regional Compatibility     Regions     N/A     All Regions       Moder Model     N/A     All Regions     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, B10, B13, B18, B19, B20, B26, B28, B29, B10, B13, B18, B49, B40, B46, B46, B46, B46, B46, B46, B46, B46	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, B19CDMA 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 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, B19VCDMAN/A-CDMA 1xRTT/EV-DO Rev AN/A-GSM/GPRS/EDGEN/A-Module CertificationsN/AFCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CBDiversityN/AYes	Regional Compatibility					
IC 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, B20, B32, B41, B42, B43, B46, B48, B66     UMTS/HSPA+   N/A   B1, B2, D3, B4, B5, B6, B8, B9, B19     WCDMA   N/A   -     CDMA 1xRTT/EV-D0 Rev A   N/A   -     GSM/GPRS/EDGE   N/A   -     N/A   FCC, ICES, CE, RCM, VCCI, BSM, UL/CUL, CB     Diversity   N/A   Yes	Regions		N/A	All Re	egions	
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, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B30, B32, B41, B42, B43, B46, B48, B66       WCDMA     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       MIMO     N/A     Yes	Modem Model					
UMTS/HSPA+N/AB1, B2, B4, B4, B4, B4, B4, 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/AYesMIMON/AYes	LTE Category		N/A	CA	T-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	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		N/A		-	
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				-	
MIMO N/A Yes	Module Certifications		N/A	FCC, ICES, CE, RCM, \	/CCI, BSMI, UL/cUL, CB	
	Diversity		N/A	Y	es	
GNSS Bias N/A Yes	МІМО		N/A	Ŷ	es	
	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)	٠		•		
	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.

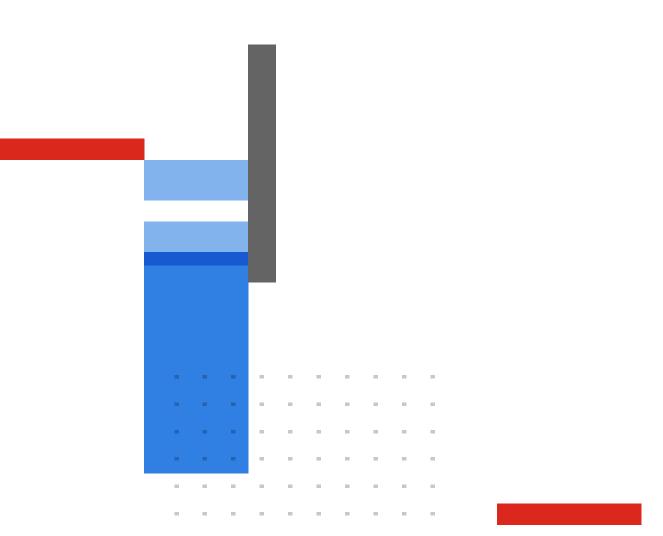
### Fortinet CSR Policy

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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