

FortiExtender™ Series

Available in



Appliance

Highlights

Improves user experience though optimal 5G and LTE wireless signal

Provides secure network failover with out of band management (OBM), dual SIM, and dual Modem capabilities

Integrates with Fortinet Secure SD-WAN for ease of deployment, management, and security

Offers dynamic, flexible edge connectivity—switch links among ISPs based on data consumption, schedules, or ad hoc

Enables network access for remote sites and branches located beyond fixed broadband

Accelerates cloud connectivity for any user with flexible on-ramp paths to SaaS/laaS

Reduces overall WAN TCO with FortiGate Network Security Platform integration

Cloud-based management empowers businesses with globally distributed locations

Four LAN ports and routing capabilities enable remote connectivity and networking



Extend, Ensure, and Secure Your Network

FortiExtender offers scalable, cost-effective, and resilient 5G, LTE, and Ethernet solutions. Driven by Fortinet's unique approach of Secure Networking, FortiExtender allows organizations business continuity, improved network availability while securing connectivity with wired broadband and cellular networks.

From secure point of sale (POS) systems to vehicle fleet communication, FortiExtender provides reliable broadband access to the internet and extends the value of the Fortinet Security Fabric to support fluid business operations dependent on remote device connectivity.

Secure Networking

Security Fabric Integration

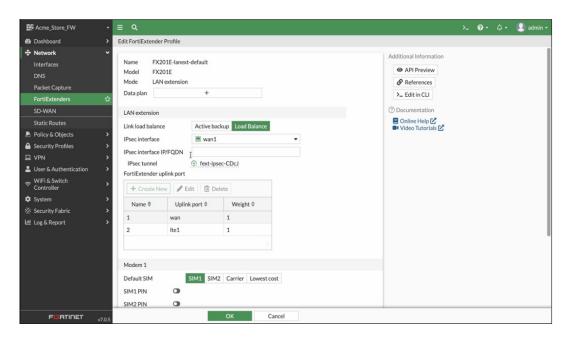
Integration with Fortinet SD-WAN and FortiGate appliances secures internet edge breakouts with a complete set of Web, Content, and Device security controls far beyond other industry solutions.

Optimal Signal Strength

A single PoE cable provides optimal 5G/LTE signal vs complex, lossy antenna cables or limited strength USB modems. Dual SIM and Dual Modem options offer up to 5X network reliability.

Simplified Management

Manage your FortiExtender from the FortiManager, FortiGate, or FortiExtender Cloud dashboard, making network changes, security controls, and policy automation simple.



 $For ti Extender \ managed \ with \ For ti Gate$



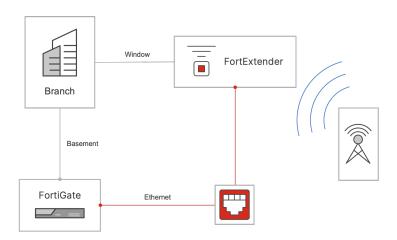
Features

Superior Management, Security, and Control

FortiExtenders are a true plug-and-play device. Once connected to the FortiGate, they appear as a regular network interface in FortiOS management. IT administrators can manage the connection as well as implement complete UTM security and control, just like any other FortiGate interface. In addition, FortiOS will display data quota usage on the wireless WAN interface, providing complete visibility of the connection to ensure costly carrier data limits are not exceeded. The superior management, security, and control of the FortiExtender ultimately reduces IT costs while extending, ensuring, and securing the network.

Flexible Deployment for Optimal Signal Strength

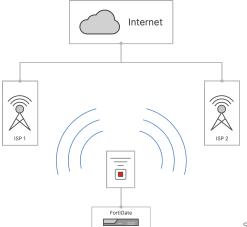
FortiExtender devices are designed to receive the best possible 5G/LTE signal. The device utilizes Power over Ethernet (PoE) so you can run a high-quality ethernet cable to a location with optimal signal strength, up to 100 m away from the FortiGate or Network Switch.



 $\label{problem} \mbox{FortiExtender can be placed near a window for optimal signal strength}$



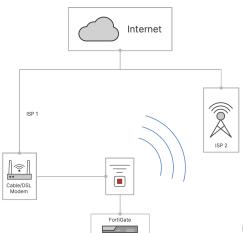
Deployment



Flexible 5G/LTE Connectivity

The FortiExtender family of 5G/LTE appliances support dual SIM and dual modem options, enabling up to four different ISPs for 5G/LTE connectivity. Our dual SIM models allow for one active and one passive cellular link, providing fast failover. Dual Modem options provide two active and two passive links, for the fastest failover and disaster recovery. You can also configure the FortiExtender to utilize an ISP link until a certain data usage threshold is reached. At that point, FortiExtender can automatically shift over to another ISP and use that 5G/LTE connection. Additional conditions can be set to shift the connection between SIM cards, allowing you to balance connectivity and cost.

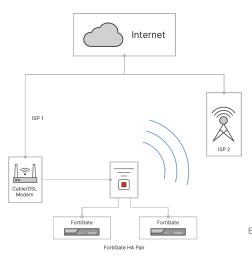
Switch between ISPs based on cost or data usage



Flexible WAN Connectivity

FortiExtender offers new WAN connectivity options with an Ethernet WAN port, in addition to the LTE WAN links. With this WAN port, you can connect to a DSL, cable, or another modem for additional WAN connectivity options. Load-balancing and failover options enable your FortiExtender to manage your WAN connections across several options to ensure connectivity at the best cost point.

Mix LTE and Cable/DSL connections for load-balancing and/or failover



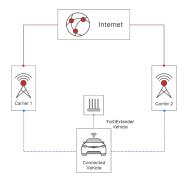
Hybrid WAN-LAN Connectivity

FortiExtender offers four LAN Ethernet ports to enable multiple connections to the LTE connection. Ideal for High Availability (HA) pairs of FortiGates, each FortiGate can be directly connected to the FortiExtender. Either FortiGate can run in load-balancing or failover modes and receive WAN connectivity from the FortiExtender.

Easily supports two FortiGates in HA mode without additional hardware



Deployment

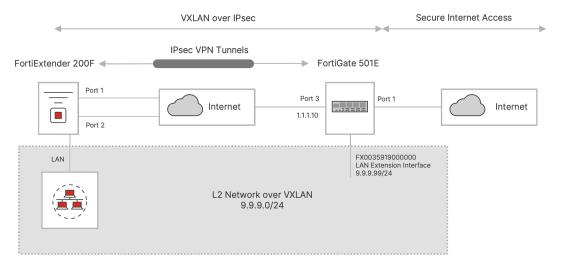


Secure Mobility

The FortiExtender portfolio includes vehicle models for secure LTE mobility. Vehicle models include embedded Wi-Fi and 7-36 volts DC power supply to securely connect your mobile fleet. FortiExtender Cloud management allows for remote provisioning and simultaneous management of thousands of mobile fleet vehicles.

Secure LAN Extension

FortiExtender gateways can be deployed at a remote location serves as an extension of the FortiGate LAN interface, connecting to a central FortiGate with a secured L2 tunnel for Layer2~Layer7 security for branch offices. FortiExtender 200F with LAN extension configuration also allows a thin edge deployment, providing a branch office connected to the LAN behind the FortiExtender with secure Internet access over a backhaul connection to FortiSASE.







Hardware Specifications

	FEX-30F-WIFI	FEX-101F-AM FEX-101F-EA FEX-201F-AM FEX-201F-EA				
Hardware and System						
Modem Support	N/A	Internal (1x Modem)				
Number of Antennas	N/A	3 SMA	A External			
Power over Ethernet (PoE)Powered	IEEE 802.3at (25.5W)	IEEE 802.	.3af (15.4 W)			
Ethernet Ports	2x GbE RJ45 port (POE on LAN port)	5 GE RJ45 Po	orts (WAN + LAN)			
USB Ports	1 x USB 2.0 Type A	1 x USB	2.0 Type A			
Bluetooth	Maximum Transmit Power 10 dBm Frequency 2.4 GHz	N/A Maximum Transmit Pow 10 dBm Frequency 2.4 G				
GPS Antenna Port	N/A	,	Yes			
Mounting Options	Wall Mount	Wall Mou	nt / Desktop			
Туре	Indoor	In	ndoor			
Dimensions						
Height x Width x Length (inches)	2.13 × 6.50 × 6.50	$1.45 \times 5.9 \times 5.9$ (not including antenna length)	$1.5 \times 5.9 \times 5.9$ (not including antenna length)			
Height x Width x Length (mm)	54 × 165 × 165	$37 \times 150 \times 150$ (not including antenna length)	$38 \times 150 \times 150$ (not including antenna length)			
Weight	1.54 lbs (0.70 kg)	0.81 lbs (0.37 kg)				
Environment						
Power Required	DC 12V/3A DC / PoE (at)	12V/3A				
Power Consumption (Average)	13.5 W	6	5.5 W			
Power Consumption (Maximum)	16.08 W	8	.5 W			
Operating Temperature	32°F to 122°F (0°C to 50°C)	32°F to 104°	F (0°C to 40°C)			
Storage Temperature	-22°F to 158°F (-30°C to 70°C)	-4°F to 158°F	(-20°C to 70°C)			
Humidity	5% to 95%	5%	to 95%			
Certifications						
FCC	Part 15, Class B and Subpart C and EICES-003	FCC Part	15B, 2.1091*			
IC	RSS-210 Issue 7, RSS-Gen Issue 2, RSS102, Issue 4	ICES-003, RSS-102*				
CE	(4.1) RR&TTE Directive 1999 / 5 / EC (4.2) EN 300 328 / EN 301 489 / EN 301 893 / EN 50385	EMC 2014/30/EU (EN 55032, EN 55024, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-19, Draft EN 301 489-52) **	EMC 2014/30/EU (EN 55032, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-17/-52, Draft EN 301 489-19)			
	(4.3) EU Directive 2004 / 108 / EC EMC (4.4) EU Directive 2006 /95 / EC LVD (4.5) EN 55022 / EN 55024 / EN 61000	RED 2014/53/EU (EN 303 413, EN 301 908- 1/-2/-13, EN 62311) **	RED 2014/53/EU			
	(4.5) LN 33022 / EN 33024 / EN 01000	LVD 2014/35/EU (EN 62368-1) **	(EN 300 328, EN 303 413, EN 301 908-1/-2, 13, EN 62311) **			
			LVD 2014/35/EU (EN 62368-1) **			
UL	UL 60950-1, CSA C22.2 No. 60950-1-07	UL/CS/	A 62368-1			
СВ	IEC 60950-1:2005	IEC/EN 60950-1, IEC/EN 62368-1	IEC/EN 62368-1			

^{*} Applies to AM model only.

Certification notes:

The built-in modem offers quad-band connectivity to HSPA+ networks worldwide and expected to work in 3G mode worldwide, subject to carrier support.

There are exceptions however, as some carriers control the access to their network to specific carrier certified devices. These carriers allow only certified modem IMEI numbers on their network and have the ability to disable the LTE connection after a period of time.

The following carriers are known to require additional testing to obtain certification. Please reach out to the Fortinet sales team and to evaluate your specific regional requirements: Brazil (VIVO), USA (Sprint), New Zealand, Arabian Peninsula (all carriers), UK (All carriers).



^{**} Applies to EA model only.

Hardware Specifications

Modem Support Internal Dx Madem NA Internal Dx Madem Number of Authonas 8 SAKA External NA Description Power ver Ethernet (Post) EEE SOC 34 (15.4 W) NA Very Profession and Local Configuration NA Elberto R Post 5 GE RAKS Posts (WAR) + LAN SOF REAKS Posts (WAR) + LAN NA		FEX-202F-AM FEX-202F-EA	FEX-200F	FEV-211F-AM / FEV-211F
Number of Antennas (Development) 6 SMA External (Development) 6 SMA External (Development) MIXA Very Internal sold separately, 2x Win-Hill Rel Tantonon included Power over Ethernat (PoE) Powerd 6 FR 802 3nd (15.4 W) N/A N/A No Ethernat (Ports) 5 CE RIAS Ports (WAIN + LANI) 5 CER RIAS Ports (WAIN + LANI) 5 CER RIAS PORTS (WAIN or LAN Originaris) 2 CER RIAS PORTS (WAIN CALL) 3 CER RIAS PORTS (WAIN CALL) 4 CER RIAS PORTS (W	Hardware and System			
Power over Ethernet Pool Power of Ethernet Pool Develor D	Modem Support	Internal (2x Modem)	N/A	Internal (1x Modem)
Etheract Ports S G E RL45 Ports (WAN + LAN) S G E RL45 Ports (WAN + LAN) continguable (Park Ports) S G E RL45 Ports (WAN + LAN) continguable (Park Ports) T X USB 2.0 Type A 1 X USB 2.0 Type A 2 X 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X USB 2.0 Type A 2 X 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish 1 X Y 2.2 4/55 Hz 802.11 alb fg/m/s wave 2 Wish <td>Number of Antennas</td> <td>6 SMA External</td> <td>N/A</td> <td></td>	Number of Antennas	6 SMA External	N/A	
USB Ports 1 x USB 2.0 Type A 1 x USB 2.0 Type A 1 x USB 2.0 Type A Bluedoh Maximum Transmit Power 10 dams and Proque 10 dams and Programma (Maximum Index 10 dams and Programma Index 10 dam	Power over Ethernet (PoE) Powered	IEEE 802.3af (15.4 W) N/A		No
Bluetooth Maximum Transmit Power 10 dBm Frequency 2 4 GHz Maximum Transmit Power 10 dBm Frequency 2 4 GHz Maximum Transmit Power 10 dBm Frequency 2 4 GHz Accordance 10 dBm Frequency 2 4 GHz Frequency 2 4 GHz Yes WIF1 - Ge - N/A 2×2 4 Afsott 8021 at 190/mice waws 2 WIF1 Mounting Options Will Mount (Desktop Wall Mount (Desktop Wall mount for Vehicle Desktop Dromensions Uniform 10 bit (Including antenna length) 1 100 × 709 × 3.9 1 177 × 511 × 716 Beight X Width X Length (mich) 1 15 × 6.22 × 6.22 1 102 × 709 × 3.9 1 177 × 511 × 716 Beight X Width X Length (mich) 1 5 × 6.22 × 6.22 1 102 × 709 × 3.9 1 177 × 511 × 716 Meight X Width X Length (mich) 1 5 × 6.22 × 6.22 1 102 × 709 × 3.9 1 177 × 511 × 716 Weight X Width X Length (mim) 3 8 × 188 × 188 27 × 180 × 9.9 5 10.15 × 6.23 × 182 Weight X Width X Length (mim) 3 9 × 180 × 182 7 × 180 × 9.9 7 × 180 × 182 Weight X Width X Length (mim) 1 2 × 30 × 182 1 × 180 × 9.9 7 × 180 × 182 Weight X Width X Length (mim) 2 × 30 × 182 1 × 19 × 180 × 9.9 7 × 180 × 182 Weigh	Ethernet Ports	5 GE RJ45 Ports (WAN + LAN)	5 GE RJ45 Ports (WAN + LAN) 5 GbE RJ45 ports (WAN or LAN configurable)	
Prequency 2.4 GHz	USB Ports	1 x USB 2.0 Type A	1 x USB 2.0 Type A	1 x USB 2.0 Type A
WFF — — — — — — — — — — — — — — — — — — —	Bluetooth			
Mounting Options Wall Mount (F) Desktop Wall Mount (F) Desktop Wall mount for Vehicle/Desktop Type Indoor Indoor Indoor Indoor/In-Vehicle Dimensions Fermion of Microbian (Indoor/In-Vehicle (Indoor/In-Vehicle) Height X Width x Length (Inches) 1.5 × 6.22 × 6.22 (a.22 (b.22	GPS Antenna Port	Yes	N/A	Yes
Type Indoor Indoor Indoor Indoor Indoor/In-Vehicle Dimensions Perplan k Width k Length (inches) 1.5 × 6.22 × 6.22 × 6.22 × 1.00 × 7.99 × 3.9 1.77 × 5.11 × 7.51 × 7	WiFi	_	_	2×2 2.4/5GHz 802.11 a/b/g/n/ac wave2 WiFi
Dimensions Property Width x Length (inches) 1.5 x 6.22 x	Mounting Options	Wall Mount/Desktop	Wall Mount / Desktop	Wall mount for Vehicle/Desktop
Height x Width x Length (inche) 1.5 × 6.22 × 6.22 (10 × 7.09 × 3.9) 1.77 × 511 × 716 (not including antenna length) Height x Width x Length (mm) 3.8 × 158 × 1	Туре	Indoor	Indoor	Indoor/In-Vehicle
Height x Width x Length (mm) Root including antenna length) 27 × 180 × 99.9 A5 x 130 × 180 x 130 x x	Dimensions			
Weight 0.90 lbs (0.14 kg) 1.01 lbs (0.46 kg) 2.1 lbs (0.97kg) Environment Power Required 12V/3A External Adapter/PoE(af/ar) 12V/1A External Adapter 7.36V DC for 12V/24V vehicle battery system Power Consumption (Average) 7.55W 6.50W 12V/1A External Adapter 7.36V DC for 12V/24V vehicle battery system Power Consumption (Maximum) 9.40W 8.50W 6.18 W (2.112 BTU/hr) @-5C consumption (Maximum) 2.2.74W Operating Temperature 3.2°F to 104°F (0°C to 40°C) 3.2°F to 108°F (-20°C to 70°C) -40°F to 158°F (-40°C to 70°C) Bruindity 5 K to 95% 5 K to 95% 5 K to 95% 5 K to 95% Certifications FCC Part 158, 15C, 2.1091° FCC Part 158, 15C, 2.1091 FCC P	Height x Width x Length (inches)		1.02 × 7.09 × 3.9	
Environment Power Required 12V/3A External Adapter/PoE(al/at) 12V/1A External Adapter 7-36V DC for 12V/24V vehicle battery system Power Consumption (Average) 7.55W 6.50W 12V/1A External Adapter 7-36V DC for 12V/24V vehicle battery system Power Consumption (Maximum) 9.40W 8.50W 6.819 W (2112 BTU/hr) @ -5C (6.81 W (23.24 BTU/hr) @ -5C 22.74W Operating Temperature 32°F to 104°F (0°C to 40°C) 32°F to 104°F (0°C to 40°C) -40°F to 158°F (-40°C to 70°C) Storage Temperature -4°F to 158°F (-20°C to 70°C) -4°F to 158°F (-20°C to 70°C) -40°F to 158°F (-40°C to 70°C) Humidity 5% to 95% 5% to 95% 5% to 95% ECC FCC Part 15B, 15C, 2.1091*	Height x Width x Length (mm)		27 × 180 × 99.9	
Power Required 12V/3A External Adapter/PoE(at/at) 12V/1A External Adapter 7-36V DC for 12V/24V vehicle battery system Power Consumption (Average) 7.55W 6.50W 12V/1A External Adapter 7-36V DC for 12V/24V vehicle battery system Power Consumption (Maximum) 9.40W 8.50W 6.19 W (2112 BTU/hr) @ -5C (8.11 W (21.24 BTU/hr) @ -5C (8.11 W (Weight	0.90 lbs (0.41 kg)	1.01 lbs (0.46 kg)	2.1 lbs (0.97kg)
Power Consumption (Average) 7.55W 6.50W 17.88W Power Consumption (Maximum) 9.40W 8.50W 6.19 W (2112 BTU/hr) ⊚ -5C (6.81 W (23.24 BTU/hr) ⊗ -5C (Environment			
Power Consumption (Maximum) 9.40W 8.50W 6.19 W (21.12 BTU/hr) @ -5C 6.81 W (23.24 BTU/hr) @ 50C 22.74W Operating Temperature 32°F to 104°F (0°C to 40°C) 32°F to 104°F (0°C to 40°C) -40°F to 158°F (-40°C to 70°C) Storage Temperature -4°F to 158°F (-20°C to 70°C) -4°F to 158°F (-20°C to 70°C) -40°F to 158°F (-40°C to 70°C) Humidity 5% to 95% 5% to 95% 5% to 95% Certifications FCC FCC Part 158, 15C, 2.1091* FCC Part 158, 15C, 2.1091* FCC Part 158, 15C, 2.1091 FCC Part 158, 15C, 2.1091 IC ICES-003, RSS-247, RSS-102* ICES-003, RSS-247, RSS-102* ICES-003, RSS-247, RSS-102 ICES-003, RSS-247, RSS-102 <td>Power Required</td> <td>12V/3A External Adapter/PoE(af/at)</td> <td>12V/1A External Adapter</td> <td>7-36V DC for 12V/24V vehicle battery system</td>	Power Required	12V/3A External Adapter/PoE(af/at)	12V/1A External Adapter	7-36V DC for 12V/24V vehicle battery system
Operating Temperature 32°F to 104°F (0°C to 40°C) 32°F to 104°F (0°C to 40°C) -40°F to 158°F (-40°C to 70°C) Storage Temperature -4°F to 158°F (-20°C to 70°C) -4°F to 158°F (-20°C to 70°C) -40°F to 158°F (-40°C to 70°C) Humidity 5% to 95% 5% to 95% 5% to 95% Certifications FCC FCC Part 15B, 15C, 2.1091* FCC Part 15B, 15C, 2.1091 FCC Part 15B, 15C, 2.1091 FCC Part 15B, 15C, 2.1091 IC ICES-003, RSS-247, RSS-102* ICES-003, RSS-247, RSS	Power Consumption (Average)	7.55W 6.50W		17.88W
Storage Temperature	Power Consumption (Maximum)	9.40W 8.50W		22.74W
Humidity 5% to 95% 5% to 95% 5% to 95% Certifications FCC FCC Part 15B, 15C, 2.1091* FCC Part 15B, 15C, 2.1091* FCC Part 15B, 15C, 2.1091 FCC	Operating Temperature	32°F to 104°F (0°C to 40°C)	to 40°C) 32°F to 104°F (0°C to 40°C) -40°F to 15	
Certifications FCC FCC Part 15B, 15C, 2.1091* FCC Part 15B, 15C, 2.1091 FCC Part 15B, 15C, 2.1091 IC ICES-003, RSS-247, RSS-102* ICES-003, RSS-247, RSS-102 ICES-003,	Storage Temperature	-4°F to 158°F (-20°C to 70°C)	-20°C to 70°C) -4°F to 158°F (-20°C to 70°C) -40°F to 158°F (-2	
FCC FCC Part 15B, 15C, 2.1091* FCC Part 15B, 15C, 2.1091 FCC Part 15B, 15C, 2.1091 IC ICES-003, RSS-247, RSS-102* ICES-003, RSS-247, RSS-102 ICES-003, RSS-247, RSS-102 CE EMC 2014/30/EU (EN 55032, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-17/-52, Draft EN 301 489-19) ** EMC 2014/30/EU (EN 55032, EN 55024, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-17) RED 2014/53/EU (EN 300 328, EN 303 413, EN 301 908-1/-2/-13, EN 62311) ** EN 61000-3-2/-3; EN 301 489-1/-17) RED 2014/53/EU (EN 300 328, EN 303 413, EN 301 908-1/-2/-13, EN 62311) ** UL/O2 2014/35/EU (EN 60950-1, EN 62368-1) EMC (4.4) EU Directive 2004 / 108 / EMC (4.5) EN 55022 / EN 55024 / EN 61000 (4.5) EN 55022 / EN 55024 / EN 61000 UL UL/OSA 62368-1 UL/CSA 60950-1, UL/CSA 62368-1 Pending CB IEC/EN 62368-1 IEC/EN 60950-1, IEC/EN 62368-1 IEC/EN 62368-1 Ingress Protection — IP64 (dust tight and splashing water) Rail — — EN 50155 Class S1	Humidity	5% to 95%	5% to 95%	5% to 95%
CE	Certifications			
CE EMC 2014/30/EU (EN 55032, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-17/-52, Draft EN 301 489-19) EMC 2014/30/EU (EN 55032, EN 55024, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-17) CE (4.1) RR&TTE Directive 1999 / 5 / EC (4.2) EN 300 328 / EN 301 489 / EN 301 893 / EN 50385 (4.3) EU Directive 2004 / 108 / EC EMC (4.4) EU Directive 2004 / 108 / EC EMC (4.4) EU Directive 2006 /95 / EC LVD (4.5) EN 55022 / EN 55024 / EN 61000 UL UL/CSA 62368-1 UL/CSA 60950-1, UL/CSA 62368-1 Pending CB IEC/EN 62368-1 IEC/EN 60950-1, IEC/EN 62368-1 IEC/EN 62368-1 Ingress Protection — — IP64 (dust tight and splashing water) Rail — — EN 50155 Class S1	FCC	FCC Part 15B, 15C, 2.1091*	FCC Part 15B, 15C, 2.1091	FCC Part 15B, 15C, 2.1091
CEN 55032, EN 55035, EN 61000-3-2/-3; EN 55032, EN 55032, EN 55024, EN 55035, EN 301 328 / EN 301 489 / EN 301 893 / EN 61000-3-2/-3; EN 301 489-1/-17) EN 61000-3-2/-3; EN 301 489-1/-17) EN 61000-3-2/-3; EN 301 489-1/-17) EN 62014/53/EU (EN 300 328, EN 303 413, EN 301 908-1/-2/-13, EN 62311) ** LVD 2014/35/EU (EN 60950-1, EN 62368-1) LVD 2014/35/EU (EN 62368-1) ** LVD 2014/35/EU (EN 62368-1) ** LVD 2014/35/EU (EN 62368-1) EC/EN 62368-1 Pending EC/EN 62368-1 EC/EN 62	IC	ICES-003, RSS-247, RSS-102*	ICES-003, RSS-247, RSS-102	ICES-003, RSS-247, RSS-102
RED 2014/53/EU (EN 300 328, EN 303 413, EN 301 908-1/-2/-13, EN 62311) ** LVD 2014/35/EU (EN 62368-1) ** UL UL/CSA 62368-1 UL/CSA 62368-1 UL/CSA 60950-1, UL/CSA 62368-1 Pending CB IEC/EN 62368-1 IEC/EN 62368-1 IEC/EN 60950-1, IEC/EN 62368-1 IEC/EN 62368-1 IP64 (dust tight and splashing water) Rail — EN 50155 Class S1	CE	(EN 55032, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-17/-52, Draft EN 301 489-19)	(EN 55032, EN 55024, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-17)	EN 300 328 / EN 301 489 / EN 301 893 / EN 50385 (4.3) EU Directive 2004 / 108 / EC EMC (4.4) EU Directive 2006 /95 / EC LVD
UL UL/CSA 62368-1 UL/CSA 60950-1, UL/CSA 62368-1 Pending CB IEC/EN 62368-1 IEC/EN 62368-1 IEC/EN 62368-1 Ingress Protection — — IP64 (dust tight and splashing water) Rail — — EN 50155 Class S1				(4.5) EN 55022 / EN 55024 / EN 61000
CB IEC/EN 62368-1 IEC/EN 60950-1, IEC/EN 62368-1 IEC/EN 62368-1 Ingress Protection — — IP64 (dust tight and splashing water) Rail — — EN 50155 Class S1		LVD 2014/35/EU (EN 62368-1) **		
Ingress Protection — IP64 (dust tight and splashing water) Rail — EN 50155 Class S1	UL	UL/CSA 62368-1	UL/CSA 60950-1, UL/CSA 62368-1	Pending
Rail — — EN 50155 Class S1	СВ	IEC/EN 62368-1	IEC/EN 60950-1, IEC/EN 62368-1	IEC/EN 62368-1
	Ingress Protection	_	_	IP64 (dust tight and splashing water)
Shock/Vibration/Humidity – MIL STD 810H, SAE J1455	Rail	_	_	EN 50155 Class S1
	Shock/Vibration/Humidity	_	_	MIL STD 810H, SAE J1455

^{*} Applies to AM model only.

Certification notes:

The built-in modem offers quad-band connectivity to HSPA+ networks worldwide and expected to work in 3G mode worldwide, subject to carrier support.

There are exceptions however, as some carriers control the access to their network to specific carrier certified devices. These carriers allow only certified modem IMEI numbers on their network and have the ability to disable the LTE connection after a period of time.

The following carriers are known to require additional testing to obtain certification. Please reach out to the Fortinet sales team and to evaluate your specific regional requirements: Brazil (VIVO), USA (Sprint), New Zealand, Arabian Peninsula (all carriers), UK (All carriers).



^{**} Applies to EA model only.

Hardware Specifications

	FEX-211E	FEX-212F	FEX 311F	FEX-511F		
Hardware and System						
Modem Support	Internal (1x Modem)	Internal (2x Modem)	Internal (1x Modem)	Internal (1x Modem)		
Number of Antennas	3 SMA External	6 SMA External	4 SMA External	4 × 5G/LTE/GNSS All-in-One Antennas		
Power over Ethernet (PoE) Powered	IEEE 802.3af (15.4 W)	IEEE 802.3at (25.5 W)	IEEE 802.3at (25.5 W)	IEEE 802.3at (25.5 W)		
Ethernet Ports	5 GE RJ45 Ports (WAN + LAN)	5 GE RJ45 Ports (WAN + LAN)	5 GE RJ45 Ports (WAN + LAN), 1GE SFP Port	5 GE RJ45 Ports, 1 GE SFP Port		
USB Ports	1 x USB 2.0 Type A	1 x USB 2.0 Type A	1 x USB 2.0 Type A	1 x USB 2.0 Type A		
Bluetooth			Maximum Transmit Power 10 dBm Frequency 2.4 GHz	Maximum Transmit Power 10 dBm Frequency 2.4 GHz		
GPS Antenna Port	Yes	Yes	Yes	Yes		
Mounting Options	Wall Mount / Desktop	Wall Mount / Desktop	Wall Mount / Desktop	Wall Mount / Desktop		
Туре	Indoor	Indoor	Indoor	Indoor		
Dimensions						
Height x Width x Length (inches)	$1.57 \times 6.3 \times 6.3$ (not including antenna length)	1.49 × 6.22 × 6.22 (not including antenna length)	1.83 × 7.48 × 7.83 (not including antenna length)	1.77 × 7.09 × 7.09 (not including antenna length)		
Height x Width x Length (mm)	40 × 160 × 160 (not including antenna length)	38 × 158 × 158 (not including antenna length)	46.5 × 190 × 199 (not including antenna length)	45 × 180 × 180 (not including antenna length)		
Weight	1.2 lbs (0.55 kg)	0.90 lbs (0.41 kg)	2.06 lbs (0.933 kg) 1.1 lb (0.5 kg			
Environment						
Power Required	12V/3A	12V/3A	12V/3A	12V/3A		
Power Consumption (Average)	9.38 W	7.55 W	14.11W	8 W		
Power Consumption (Maximum)	10.99 W	9.40 W	16.05W 10 W			
Operating Temperature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)		
Storage Temperature	-4°F to 158°F (-20°C to 70°C)	-4°F to 158°F (-20°C to 70°C)	-4°F to 158°F (-20°C to 70°C)	-4°F to 158°F (-20°C to 70°C)		
Humidity	5% to 95%	5% to 95%	5% to 95% 5% to 95			
Certifications						
FCC	FCC Part 15B, 15C, 2.1091	FCC Part 15B, 15C, 2.1091	FCC Part 15B, 15C, 2.1091	FCC Part 15B, 15C, 2.1091		
IC	ICES-003, RSS-247, RSS-102	ICES-003, RSS-247, RSS-102	ICES-003, RSS-247, RSS-102	ICES-003, RSS-247, RSS-102		
CE	EMC 2014/30/EU (EN 55032, EN 55024, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-17/-19, Draft EN 301 489-52)	EMC 2014/30/EU (EN 55032, EN 55024, EN 55035, EN 61000-3-2/-3; EN 301 489-1/- 17/-19, Draft EN 301 489-52)	EMC 2014/30/EU (EN 55032, EN 55024, EN 55035, EN 61000-3-2/- 3; EN 301 489-1/-17, Draft EN 301 489-19/-52)	EMC 2014/30/EU (EN 55032, EN 55024, EN 55035, EN 61000-3-2/-3; EN 301 489-1/-17/-19, Draft EN 301 489-52)		
	RED 2014/53/EU (EN 300 328, EN 303 413, EN 301 908-1/-2/-13, EN 62311, EN 50382, EN 50665, EN 50663, EN 62479)	RED 2014/53/EU (EN 300 328, EN 303 413, EN 301 908-1/-2/-13, EN 62311) LVD 2014/35/EU (EN 60950-1, EN 62368-1)	RED 2014/53/EU (EN 300 328, EN 303 413, EN 301 908-1/-2/-13, EN 62311, EN 50665, EN 50385) LVD 2014/35/EU (EN 62368-1)	RED 2014/53/EU (EN 300 328, EN 303 413, EN 301 908-1/-2/-13/-25, EN 62311)		
	LVD 2014/35/EU (EN 60950-1, EN 62368-1)	02000 1,	2.3 2014,00,20 (214 02000 1)	LVD 2014/35/EU (EN 60950-1, EN 62368-1)		
UL	UL/CSA 60950-1, UL/CSA 62368-1	UL/CSA 62368-1	UL/CSA 62368-1	UL/CSA 62368-1)		
СВ	IEC/EN 60950-1, IEC/EN 62368-1	IEC/EN 60950-1, IEC/EN 62368-1	IEC/EN 60950-1, IEC/EN 62368-1	(IEC/EN 60950-1, IEC/EN 62368-1)		

Certification notes:

 $The \ built-in \ modem \ offers \ quad-band \ connectivity \ to \ HSPA+ \ networks \ worldwide \ and \ expected \ to \ work \ in \ 3G \ mode \ worldwide, subject \ to \ carrier \ support.$

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3G/4G-LTE/5G Specifications

	FEX-101F-AM	FEX-101F-EA	FEX-201F-AM	FEX-201F-EA	FEX-202F-AM	FEX-202F-EA
Regional Compatibility						
	North America Carriers	EMEA, Brazil, some APAC Carriers	North America Carriers	EMEA, APAC Carriers	North America Carriers	EMEA, APAC Carriers
Internal Modem Specific	cations					
Modem Model	Quectel EM06-A	Quectel EM06-E	Sierra Wireless EM7411	Sierra Wireless EM7421	Sierra Wireless EM7411 (2x Modem)	Sierra Wireless EM7421 (2x Modem)
5G NR SA and NSA	_	_	_	_		
4G: LTE	CAT-6 FDD Bands: 2, 4, 5, 7, 12, 13, 25, 26, 29, 30, 66 TDD Bands: 41	CAT-6 FDD Bands: 1, 3, 5, 7, 8, 20, 28, 32 TDD Bands: 38, 40, 41	CAT-7 Bands: 2, 4, 5, 7, 12, 13, 14, 25, 26, 41, 42, 43, 48, 66, 71		CAT-7 Bands: 2, 4, 5, 7, 12, 13, 14, 25, 26, 41, 42, 43, 48, 66, 71	
3G: UMTS/HSPA+	Bands: 2, 4, 5	Bands: 1, 3, 5, 8	Bands: 2, 4, 5	Bands: 1, 5, 8	Bands: 2, 4, 5	Bands: 1, 5, 8
3G: WCDMA	Bands: 2, 4, 5	Bands: 1, 3, 5, 8	Bands: 2, 4, 5	Bands: 1, 5, 8	Bands: 2, 4, 5	Bands: 1, 5, 8
Additional Ports	GPS antenna port	GPS antenna port	GPS antenna port	GPS antenna port	GPS antenna port	GPS antenna port
Connector Type	SMA (MAIN, AUX, GPS)	SMA (MAIN, AUX, GPS)	SMA (MAIN, AUX, GPS)	SMA (MAIN, AUX, GPS)	SMA LTE1 (MAIN, AUX, GPS) LTE2 (MAIN, AUX, GPS)	SMA LTE1 (MAIN, AUX, GPS) LTE2 (MAIN, AUX, GPS)
Module Certifications	FCC, IC, GCF, PTCRB	GCF, CE, NCC, RCM, ICASA	FCC, IC, GCF, PTCRB	GCF, NCC	FCC, IC, GCF, PTCRB	GCF, NCC
Diversity	\odot	\odot	\odot	\odot	\odot	\odot
MIMO	\odot	\bigcirc	\odot	\otimes	\odot	\odot
GNSS Bias	\bigcirc		\odot	\odot	\odot	⊙



3G/4G-LTE/5G Specifications

	FEX-211E	FEV-211F-AM	FEV-211F	FEX-212F	FEX-311F	FEX-511F
Regional Compatibility						
	Global Carriers	North America Carriers	Global Carriers	Global Carriers	Global Carriers	Global Carriers
Internal Modem Specific	ations					
Modem Model	Sierra Wireless EM7565	Sierra Wireless EM7511 (1x Modem)	Sierra Wireless EM7565 (1x Modem)	Sierra Wireless EM7565 (2x Modem)	Quectel EM160R-GL	Quectel RM502Q-AE
5G NR SA and NSA	-	_	_	-	-	5G Sub-6 Bands: n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n48, n66, n71, n77, n78, n79
4G: LTE	18, 19, 20, 26, 28, 29, 30,	CAT-12 Bands: 1, 2, 3, 4, 5, 7, 8, 9, 12, 13, 14, 18, 19, 20, 26, 29, 30, 32, 41, 42, 43, 46, 48, 66	CAT-12 Bands: 1, 2, 3, 4, 5, 7, 8, 9, 12, 13, 18, 19, 20, 26, 28, 29, 30, 32, 41, 42, 43, 46, 48, 66	18, 19, 20, 26, 28, 29, 30,	CAT-16 FDD Bands: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 66 TDD Bands: 38, 39, 40, 41, 42, 43, 46 (LAA), 48 (CBRS)	CAT-20 FDD Bands: 1, 2, 3, 4, 5, 7, 8, 12(17), 13, 14, 18, 19, 20, 25, 26, 28, 29, 30, 32, 66, 71 TDD Bands: 34, 38, 39, 40, 41, 42, 43, 48
3G: UMTS/HSPA+	Bands: 1, 2, 4, 5, 6, 8, 9, 19	Bands: 1, 2, 4, 5, 6, 8, 9, 19	Bands: 1, 2, 4, 5, 6, 8, 9, 19	Bands: 1, 2, 4, 5, 6, 8, 9, 19	Bands: 1, 2, 3, 4, 5, 6, 8, 19	Bands: 1, 2, 3, 4, 5, 6, 8, 19
3G: WCDMA	Bands: 1, 2, 4, 5, 6, 8, 9, 19	Bands: 1, 2, 4, 5, 6, 8, 9, 19	Bands: 1, 2, 4, 5, 6, 8, 9, 19	Bands: 1, 2, 4, 5, 6, 8, 9, 19	Bands: 1, 2, 3, 4, 5, 6, 8, 19	Bands: 1, 2, 3, 4, 5, 6, 8, 19
Additional Ports	GPS antenna port	GPS antenna port	GPS antenna port	GPS antenna port	MIMO1, MIMO2	MIMO1, MIMO2
Connector Type	SMA (MAIN, AUX, GPS)	SMA LTE (MAIN, AUX, GPS)	SMA LTE (MAIN, AUX, GPS)	SMA LTE1 (MAIN, AUX, GPS) LTE2 (MAIN, AUX, GPS)	4x SMA (MAIN, MIMO1, MIMO2, Diversity/GPS)	4x SMA (MAIN, MIMO1, MIMO2, Diversity/GPS)
Module Certifications	FCC, IC, CE, GCF, PTCRB	FCC, IC, GCF, PTCRB	(1) CB IEC 60950-1:2005 (2) UL UL 60950-1, CSA C22.2 No. 60950-1-07 (3) FCC FCC Part 15, Class B and Subpart C and EICES-003 (4) CE (4.1) RR&TTE Directive 1999 / 5 / EC (4.2) EN 300 328 / EN 301 489 / EN 301 893 / EN 50385 (4.3) EU Directive 2004 / 108 / EC EMC (4.4) EU Directive 2006 /95 / EC LVD (4.5) EN 55022 / EN 55024 / EN 61000 (5) IC (5.1) Canada RSS-210 Issue 7 / Canada RSS-Gen Issue 2 (5.2) RSS102, Issue 4 (6) Directives Low Voltage Directive ROHS	FCC, IC, CE, GCF, PTCRB	GCF, CE, PTCRB, FCC, IC, Anatel, IFETEL, SRRC/ NAL/CCC, NCC, KC, JATE/ TELEC, RCM, ICASA	GCF, CE, PTCRB, FCC, IC, JATE/TELEC, RCM
Diversity	\odot	\odot	\bigcirc	\odot	\odot	\odot
MIMO	\odot	\odot	\odot	\odot	\odot	\odot
GNSS Bias	\odot	\odot	\odot	\odot	\odot	\odot



Features

						EEN 044E			
	FEX-30F- WIFI	FEX-101F (AM/EA)	FEX-201F (AM/EA)	FEX-202F (AM/EA)	FEX-211E	FEV-211F (AM) / FEV-211F	FEX-212F	FEX-311F	FEX-511F
Advanced Radio Technology		<u> </u>							
2×2 MIMO — enables industry leading data speeds	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\bigcirc	\odot
4×4 MIMO — enables industry leading data speeds	_	_	_	_	_	_	_	\bigcirc	\bigcirc
5G Downlink 4×4 MIMO bands: 1, 2, 3, 7, 25, 38, 40, 41, 48, 66, 77, 78, 79	_	_	_	_	_	_	_	_	\odot
5G Uplink 2 × 2 MIMO Band: 41	_	_	_	_	_	_	_	_	\odot
LTE Downlink 4 × 4 MIMO bands: 1, 2, 3, 4, 7, 25, 30, 32, 34, 38, 39, 40, 41, 42, 43, 48, 66	_	_	_	_	_	_	_	_	\odot
LTE Downlink 4 × 4 MIMO bands: 1, 2, 3, 4, 7, 25, 30, 32, 38, 39, 40, 41, 66	_	_	_	_	_	_	_	\odot	_
Receiver Equalization — improves performance in noisy and highly mobile environments	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot
Receiver Diversity — improves performance at cell edges and in buildings	\bigcirc	\odot	\odot	\odot	\odot	\bigcirc	\odot	\odot	\bigcirc
Dual Modem	_	_		Ø	_	_	Ø	_	_
2×2 2.4/5GHz 802.11 a/b/g/n/ac Wave2 WiFi Support	_	_	_	_	_	\odot	_	_	_
2×2 2.4G/5GHz concurrent WiFi6 (802.11ax)	\odot	_	_	_	_	_	_	_	_
Advanced Software Features									
Connection Status	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘	⊘
Auto-connect	⊘	⊘	⊘	⊘	⊘	⊘		⊘	⊘
Auto-select Network	⊘	⊘	⊘	⊘			⊘	⊘	⊘
Data Byte Count	⊘	⊘	⊘	⊘	⊘		⊘	⊘	⊘
Network Profile	⊘	⊘	⊘	⊘	⊘	⊘	⊘	\odot	⊘
Self-diagnostics	\odot	\odot	\odot		\odot	\odot		\odot	\odot
Power Management — standby and hibernate selective suspend									
DIAG and AT Commands	\odot	\odot	\bigcirc	⊘	⊘	⊘	⊘	\odot	⊘
Private IP SIM Support		\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot
L2 Tunnel Mode via VLAN or CAPWAP for fast and flexible deployments	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot
Single Pane of Glass Management via FortiGate and FortiManager	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot
SIM Features									
Dual-SIM Support with intelligent fail-over algorithms	_		\odot			⊘	⊘		
SIM Size: Micro-SIM type 3FF	_	⊘	\odot	⊘	\bigcirc	⊘	<u></u>	\bigcirc	⊘
SIM Security Cover	_	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot
IMEI printed at bottom of enclosure for ease of activation	_	\odot	\odot	\odot	\odot	\odot	\odot	\odot	\odot
Carrier Certifications					_				
Verizon	_	⊘ *	⊘ *	⊘ *	\odot	<u>.</u>	⊘	Not Available	⊘
ATT	_	⊘ *	⊘ *	⊘ *	⊘	<u>.</u>	⊘	<u></u>	⊘
PTCRB	_	⊘*	⊘ *	⊘ *	\odot	\odot	\odot	\odot	⊘
T-Mobile	_	Not Required	⊘ *	⊗*	Not Required	Not Required	Not Required	Not Required	\odot
Public Safety Network	_	_	_	_	_	FirstNet Capable (LTE Only)	FirstNet Capable (LTE Only)	_	FirstNet Capable (LTE Only)

^{*} Applies to AM model only.

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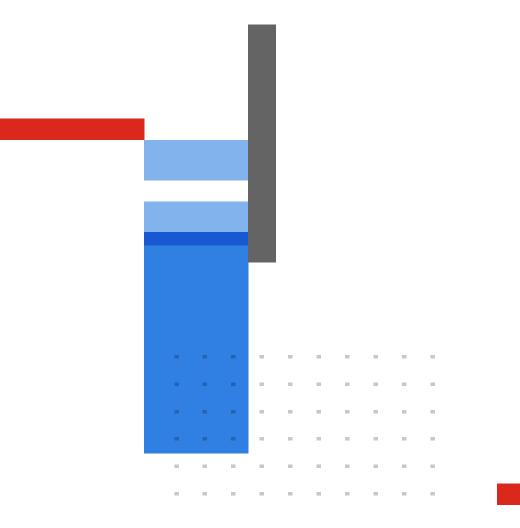


The built-in modem offers quad-band connectivity to HSPA+ networks worldwide and is expected to work in 3G mode worldwide, subject to carrier support. There are exceptions however, as some carriers control the access to their network to specific carrier certified devices. These carriers allow only certified modem IMEI numbers on their network and have the ability to disable the LTE connection after a period of time.

Ordering Information

PRODUCT	SKU	DESCRIPTION
3G/4G-LTE/5G Models		
FortiExtender 101F	FEX-101F-AM	Indoor Broadband Wireless WAN Router with 1x Dual SIM 3G/4G LTE CAT6 M.2 Module (DL/UL=300M/50Mbps) for North America Carriers. 5x GE WAN/LAN configurable RJ45 ports including 1× 802.3af/at POE PD port and GPS/GNSS service.
	FEX-101F-EA	Indoor Broadband Wireless WAN Router with 1x Dual SIM 3G/4G LTE CAT6 M.2 Module (DL/UL=300M/50Mbps) for EMEA, some APAC, Brazil Carriers. 5x GE WAN/LAN configurable RJ45 ports including 1x 802.3af/at POE PD port and GPS/GNSS service.
FortiExtender 201F	FEX-201F-AM	Indoor Broadband Wireless WAN Router with 1x Dual SIM 3G/4G LTE CAT7 M.2 Module (DL/UL=300M/150Mbps) for North America Carriers. 5x GE WAN/LAN configurable RJ45 ports including 1x 802.3af/at POE PD port and GPS/GNSS service.
	FEX-201F-EA	Indoor Broadband Wireless WAN Router with 1x Dual SIM 3G/4G LTE CAT7 M.2 Module (DL/UL=300M/150Mbps) for EMEA/APAC Carriers. 5x GE WAN/LAN configurable RJ45 ports including 1× 802.3af/at POE PD port and GPS/GNSS service.
FortiExtender 202F	FEX-202F-AM	Indoor Broadband Wireless WAN Router with 2x Dual SIM 3G/4G LTE CAT7 M.2 Module (DL/UL=300M/150Mbps) for North America Carriers. 5x GE WAN/LAN configurable RJ45 ports including 1x 802.3af/at POE PD port and GPS/GNSS service.
	FEX-202F-EA	Indoor Broadband Wireless WAN Router with 2x Dual SIM 3G/4G LTE CAT7 M.2 Module (DL/UL=300M/150Mbps) for EMEA/APAC Carriers. 5x GE WAN/LAN configurable RJ45 ports including 1× 802.3af/at POE PD port and GPS/GNSS service.
FortiExtender 211E	FEX-211E	Indoor Broadband Wireless WAN Extender with 1x Dual SIM 3G/4G/LTE CAT12 global modem, 5x GE WAN/LAN configurable RJ45 ports including 1× 802.3af/at POE PD port and GPS port.
FortiExtenderVehicle 211F-AM	FEV-211F-AM	Semi-Rugged Broadband Wireless WAN Router for Vehicle and OT applications with 1x Dual SIM 3G/4G LTE CAT-12 M.2 Module (DL/UL=600M/150Mbps) for North America Carriers. 1x GE WAN + 4x GE LAN RJ45 ports including 802.11ac Wi-Fi and GPS/GNSS Service. External LTE antenna required. Wi-Fi Region A.
FortiExtenderVehicle 211F	FEV-211F	Semi-Rugged Broadband Wireless WAN Router for Vehicle and OT applications with 1x Dual SIM 3G/4G LTE CAT-12 M.2 Module (DL/UL=600M/150Mbps) for EU/APEC,/LATAM Carriers. 1x GE WAN + 4x GE LAN RJ45 ports including 2×2 2.4/5GHz 802.11ac Wi-Fi and GPS/GNSS systems. External LTE antenna required (not included). Band28 Supported, but not Band14.
FortiExtender 212F	FEX-212F	Indoor Broadband Wireless WAN Extender with 2x Dual SIM 3G/4G/LTE CAT12 global modem, 5x GE WAN/LAN configurable RJ45 ports including 1× 802.3at POE PD port and GPS port.
FortiExtender 311F	FEX-311F	Indoor Broadband Wireless WAN Router with 1x Dual SIM 3G/4G LTE CAT16 M.2 Module (DL/UL=1Gbps/150Mbps) for Global Carriers. 2x GE WAN (1x SFP + 1x RJ45) and 4x GE LAN RJ45 ports including 1× 802.3at POE PD port (25.5W) and GPS/GNSS service.
FortiExtender 511F	FEX-511F	Indoor Broadband Wireless WAN Router with 1x Dual SIM 5G Sub-6GHz radio for Global Carriers, with Cat20 LTE support. 5x GE WAN/LAN configurable RJ45 ports including 1× 802.3at POE PD port (25.5W) and 1x SFP port.
WiFi Models		
FortiExtender 30F-WiFi	FEX-30F-WiFi	A desk/wall mount LAN extension device — 2×2 2.4G/5GHz concurrent WiFi6 (802.11ax), internal antennas, 2x GbE ports (1x WAN, 1x LAN), 1x USB3.0, 1x RJ45 console port and 1x BLE. Wall mount kit included.
Ethernet Models		
FortiExtender 200F	FEX-200F	FEX-200F is an extension of the FortiGate LAN interface, connecting to FortiGate with a secured L2 tunnel for Layer2~Layer7 security for branch offices. 5x GbE RJ45 ports, each can be configured as WAN or LAN by software.
FortiCare		
FortiCare Support	FC-10-X101M-247-02-DD	24×7 FortiCare Contract for FEX-101F-AM.
	FC-10-X101A-247-02-DD	24×7 FortiCare Contract for FEX-101F-EA.
	FC-10-FA21F-247-02-DD	24×7 FortiCare for FEX-201F-AM.
	FC-10-FE21F-247-02-DD	24×7 FortiCare for FEX-201F-EA.
	FC-10-FA22F-247-02-DD	24×7 FortiCare for FEX-202F-AM.
	FC-10-FE22F-247-02-DD	24×7 FortiCare for FEX-202F-EA.
	FC-10-F211E-247-02-DD	24×7 FortiCare Contract for FEX-211E.
	FC-10-FV21F-247-02-DD	24×7 FortiCare for FEV-211F and FEV-211F-AM.
	FC-10-FG21F-247-02-DD	FortiCare Premium Support.
	FC-10-FG21F-210-02-DD	Next Calendar Day Delivery Priority RMA Service (Requires FortiCare Premium or FortiCare Elite).
	FC-10-X212F-247-02-DD	24×7 FortiCare Contract for FEX-212F.
	FC-10-X311F-247-02-DD	24×7 FortiCare Contract for FEX-212F. 24×7 FortiCare Contract for FEX-311F.
	FC-10-X511F-247-02-DD	24×7 FortiCare Contract for FEX-511F.
Accessories	FC-10-F200F-247-02-DD	24×7 FortiCare Contract for FEX-200F.
Power Adapter	SP-FEX12V3A-PA-1-US	AC Power adapter with US plug for North America and Japan, for use with FortiExtender FEX-101F, FEX-201F, FEX-202F, FEX-211E, FEX-212F, FEX-311F and FEX-511F models.
Power Adapter	SP-FEX12V3A-PA-1-EU	AC Power adapter with EU plug for Europe, for use with FortiExtender FEX-101F, FEX-201F, FEX-202F, FEX-211E, FEX-212F, FEX-311F and FEX-511F models.
Power Adapter	SP-FAP400-PA-AU	AC Power Adapter for FEX-101F, FEX-201F, FEX-202F, FEX-211E, FEX-212F, FEX-311F, FEX-511F. Also applicable to certain FortiAP models.
	FANT-3IN1-TG-5M-FEV	3-in-1 permanent vehicle roof mount antenna for FEV-211F and FEV-211F-AM. Outdoor waterproof antenna with 2× 5G/LTE +
Vehicle Mount LTE Antenna	PAINT-SINT-TG-SIVI-FEV	1x active GNSS and 5 meter antenna cable with SMA male connectors.
	GPI-115	·







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