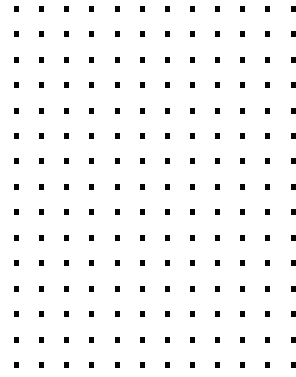


Wireless Product Matrix

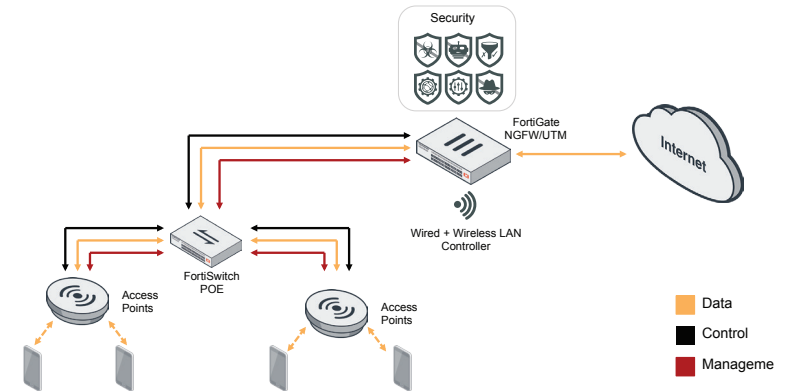
June 2022



Large campuses, distributed enterprises, and small businesses all have diverse WLAN architecture needs. That's why Fortinet provides a variety of models, from 2x2 to 4x4, internal or external antenna, to address any use case. Fortinet offers flexibility for configuration and control, either using our FortiGate security appliance as a controller or our cloud platform FortiLAN Cloud.

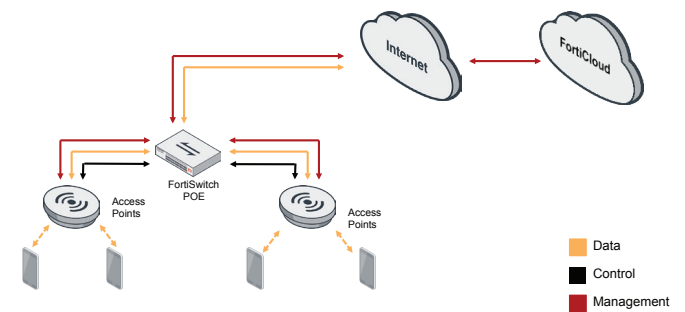
FortiGate Managed

The FortiGate Wireless Controller is built into all FortiGate models and does not require any additional licensing to use. This results in security-driven networking, where the network is converged with, and driven by security. The FortiLink protocol allows the FortiGate appliance to extend its best in class security directly to the wireless edge. Base NAC features are also included, giving more features and lower TCO. As part of our Security Fabric, the FortiGate Managed offering also allows for an extensive set of troubleshooting and reporting tools with FortiWLM and Artificial Intelligence with Machine Learning using FortiAIOps all within our Fabric Management Center.







Non-FortiGate Managed




FortiLAN Cloud management allows for centralized hosted cloud control of standalone FortiAP devices, scaling from a handful to thousands of FortiAPs. A FortiLAN Cloud subscription enables advanced features & troubleshooting plus additional configuration options and log retention.






FortiAP™ Integrated or Cloud Managed Wi-Fi 6 (802.11ax) Access Points

| | FAP-231F | FAP-431F | FAP-433F | FAP-831F |
|--|--|--|--|--|
| |  |  |  |  |
| Suggested Use Case | 802.11ax indoor | High performance 802.11ax indoor | High performance 802.11ax indoor | High performance 802.11ax indoor |
| Hardware | | | | |
| Number of Radios | 3 + 1 BLE | 3 + 1 BLE | 3 + 1 BLE | 3 + 1 BLE |
| Number of Antennas | 3 Internal + 1 BLE Internal | 5 Internal + 1 BLE Internal | 5 External + 1 BLE Internal | 13 Internal + 1 BLE Internal |
| Antenna Type and Peak Gain | PIFA: 4.5dBi for 2.4GHz and 5.5dBi for 5GHz | PIFA: 4 dBi for 2.4 GHz, 5 dBi for 5 GHz | Omni directional rubber duck antenna : 4 dBi for 2.4 GHz, 6 dBi for 5 GHz | PIFA: 4 dBi for 2.4 GHz, 6 dBi for 5.0 GHz, 4 dBi for dual band Scanning |
| Radio 1 Capabilities | 2.4 GHz 2x2 20/40MHz | 2.4 GHz 4x4 20/40MHz | 2.4 GHz 4x4 20/40MHz | 2.4 GHz 4x4 20/40MHz |
| Radio 2 Capabilities | 5.0 GHz 2x2 20/40/80MHz | 5.0 GHz 4x4 20/40/80MHz, 2x2 160MHz | 5.0 GHz 4x4 20/40/80MHz, 2x2 160MHz | 5.0 GHz 8x8 (Mode 1), 4x4 = 4x4 (Mode 2) |
| Radio 3 Capabilities (Monitor Only) | 2.4/5.0 GHz (1x1) | 2.4/5.0 GHz (1x1) | 2.4/5.0 GHz (1x1) | 2.4/5.0 GHz (1x1) |
| Maximum Data Rate | Radio 1: up to 574 Mbps Radio 2: up to 1201 Mbps Radio 3: scan only | Radio 1: up to 1147 Mbps Radio 2: up to 2402 Mbps Radio 3: scan only | Radio 1: up to 1147 Mbps Radio 2: up to 2402 Mbps Radio 3: scan only | Radio 1: up to 1147 Mbps Radio 2: up to 4.804 Gbps Radio 3: scan only |
| BLE/ZigBee | • / • | • / - | • / - | • / - |
| Interfaces | 2 x GE RJ45 | 1x 2.5GE RJ45, 1 x GE RJ45, 1x RS-232 RJ45 Serial Port | 1x 2.5GE RJ45, 1 x GE RJ45, 1x RS-232 RJ45 Serial Port | 1x 2.5GE RJ45, 1 x GE RJ45, 1x RS-232 RJ45 Serial Port |
| Power over Ethernet (PoE) | 802.3af/at | 802.3at & dual redundant 802.3af/at | 802.3at & dual redundant 802.3af/at | Dual 802.3at for full function, 802.3at with USB disabled |
| Power Consumption (Max.) | 17 W | 24.5 W | 24.5 W | 33 W |
| Simultaneous SSIDs | 16 (14 if background scanning enabled) | 16 (14 if background scanning enabled) | 16 (14 if background scanning enabled) | |
| Maximum Tx Power | Radio 1: 2.4GHz: 23 dBm / 200 mW (2 chains combined) Radio 2: 5GHz: 22 dBm / 158 mW (2 chains combined) Radio 3: Radio 3: NA | Radio 1: 5GHz: 23 dBm / 200 mW (4 chains combined) Radio 2: 2.4GHz: 24 dBm / 251 mW (4 chains combined) 5GHz: 23 dBm / 200 mW (4 chains combined), Radio 3: NA | Radio 1: 5GHz: 23 dBm / 200 mW (4 chains combined) Radio 2: 2.4GHz: 24 dBm / 251 mW (4 chains combined) 5GHz: 23 dBm / 200 mW (4 chains combined), Radio 3: NA | Radio 1: 2.4GHz: 27 dBm / 500 mW (4 chains combined) Radio 2: 5GHz: 25.5 dBm / 354 mW (4 chains combined), Radio 3: NA |
| SSID Types Supported | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh |
| Per Radio Client Capacity | Up to 512 per radio Radio1 and Radio2 | Up to 512 per radio Radio1 and Radio2 | Up to 512 per radio Radio1 and Radio2 | Up to 512 per radio Radio1 and Radio2 |
| Certifications | | | | |
| Wi-Fi Alliance Certified | • | • | • | • |
| DFS Certified | FCC, IC, CE, Japan, Brazil, Taiwan, Korea | FCC, IC, CE, Japan, Brazil, Taiwan | FCC, IC, CE, Japan, Brazil, Taiwan | FCC, IC, CE, Japan, Brazil |






FortiAP™ Integrated or Cloud Managed Wi-Fi 6 (802.11ax) Outdoor and Wall Plate Access Points

| | FAP-234F | FAP-432F | FAP-23JF | | |
|--|--|---|--|--|--|
| |  |  |  | | |
| Suggested Use Case | 802.11ax outdoor | High performance 802.11ax outdoor | 802.11ax wall plate | | |
| Hardware | | | | | |
| Number of Radios | 3 + 1 BLE | 3 + 1 BLE | 3 + 1 BLE | | |
| Number of Antennas | 3 Internal + 1 BLE External | 5 External + 1 BLE External | 5 Internal + 1 BLE Internal | | |
| Antenna Type and Peak Gain | Dipole: 10 dBi for 2.4 GHz band, 10 dBi for 5.0 GHz | Dipole: 5.5 dBi for 2.4 GHz and 7.2 dBi for 5 GHz | PCB: 4.0 dBi for 2.4 GHz and 4.0 dBi for 5 GHz | | |
| Radio 1 Capabilities | 2.4 GHz 20/40MHz | 2.4 GHz 20/40MHz | 2.4 GHz 20/40MHz | | |
| Radio 2 Capabilities | 5.0 GHz 2×2 20/40/80MHz | 5.0 GHz 4×4 20/40/80MHz, 2×2 160MHz | 5.0 GHz 2×2 20/40/80MHz | | |
| Radio 3 Capabilities (Monitor Only) | 2.4/5.0 GHz (1×1) | 2.4/5.0 GHz (1×1) | 2.4/5.0 GHz (1×1) | | |
| Maximum Data Rate | Radio 1: up to 574 Mbps Radio 2: up to 1200 Mbps Radio 3: scan only | Radio 1: up to 1147 Mbps Radio 2: up to 2402 Mbps Radio 3: scan only | Radio 1: up to 574 Mbps Radio 2: up to 1200 Mbps Radio 3: scan only | | |
| Bluetooth (BT/BLE) | • / • | • / • | • / • | | |
| Interfaces | 2 x GE RJ45, 1x RS-232 RJ45 Serial Port | 1x 2.5GE RJ45, 1 x GE RJ45, 1x RS-232 RJ45 Serial Port | 2x GE RJ45, 1x 802.3at PoE (PD), 1x 802.3af PoE (PSE), 2x pass-thru (in and out), 1x RS-232 RJ45 Serial Port | | |
| Power over Ethernet (PoE) | 802.3af/at | 802.3bt/at | 802.3af/at | | |
| Power Consumption (Max.) | 15.5 W | 25 W w/o PSE out / 37.9 W with PSE out | 17.5W w/o PSE out / 31W with PSE out | | |
| Simultaneous SSIDs | 16 (14 if background scanning enabled) | 16 (14 if background scanning enabled) | 16 (14 if background scanning enabled) | | |
| Maximum Tx Power | Radio 1: 2.4 GHz: 27 dBm / 500 mW (2 chains combined)* Radio 2: 5 GHz: 25.5 dBm / 354 mW (2 chains combined)* Radio 3: N/A | Radio 1: 2.4 GHz 30 dBm / 1000 mW (4 chains combined)* Radio 2: 5 GHz 26 dBm / 398 mW (4 chains combined)* Radio 3: N/A | Radio 1: 2.4 GHz: 25 dBm / 158 mW (2 chains combined)* Radio 2: 5 GHz: 21 dBm / 158 mW (2 chains combined)* Radio 3: N/A | | |
| SSID Types Supported | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh | | |
| Per Radio Client Capacity | Up to 512 per radio Radio1 and Radio2 | Up to 512 per radio Radio1 and Radio2 | Up to 512 per radio Radio1 and Radio2 | | |
| Certifications | | | | | |
| Wi-Fi Alliance Certified | • | • | • | | |
| DFS Certified | FCC, IC, CE, Japan, Brazil, Taiwan, Korea | FCC, IC, CE, Japan, Brazil, Taiwan | FCC, IC, CE, Japan, Brazil, Taiwan, Korea | | |





FortiAP™ Integrated Indoor and Wall Plate Indoor 802.11ac Access Points

| | FAP-221E | FAP-223E | FAP-C24JE |
|--|--|--|---|
| |  |  |  |
| Suggested Use Case | Medium density indoor | Medium density indoor | Indoor Wall Plate AP |
| Hardware | | | |
| Number of Radios | 2 | 2 | 2 |
| Number of Antennas | 4 Internal | 4 External (RP-SMA) | 4 Internal |
| Antenna Type and Peak Gain | Patch: 4 dBi for 2.4 GHz, 5 dBi for 5 GHz | Dipole: 4 dBi for 2.4 GHz, 5 dBi for 5 GHz | Chip: 1.5 dBi for 2.4 GHz, 2 dBi for 5 GHz |
| Radio 1 Capabilities | 2.4 GHz b/g/n (2×2:2) 20/40 MHz (256 QAM) | 2.4 GHz b/g/n (2×2:2) 20/40 MHz (256 QAM) | 2.4 GHz b/g/n (2×2:2) 20/40 MHz (64 QAM) |
| Radio 2 Capabilities | 5 GHz a/n/ac (2×2:2) 20/40/80 MHz (256 QAM) | 5 GHz a/n/ac (2×2:2) 20/40/80 MHz (256 QAM) | 5 GHz a/n/ac (2×2:2) 20/40/80 MHz (256 QAM) |
| Radio 3 Capabilities (Monitor Only) | - | - | - |
| Maximum Data Rate | Radio 1: up to 400 Mbps Radio 2: up to 867 Mbps | Radio 1: up to 400 Mbps Radio 2: up to 867 Mbps | Radio 1: up to 300 Mbps, Radio 2: up to 867 Mbps |
| Bluetooth (BT/BLE) | • | • | |
| Interfaces | 1x GE RJ45 | 1x GE RJ45 | 2 + 6x GE RJ45 Ports (1× 802.3at PoE (PD), 1× 802.3af PoE (PSE), 1x pass-thru in, 1x pass-thru out), 1x RS-232 RJ45 Serial Port |
| Power over Ethernet (PoE) | IEEE 802.3af | IEEE 802.3af | 802.3af (max PSE output of 4W) or 802.3at (full 802.3af PSE output) |
| Power Consumption (Max.) | 12.36 W | 12.36 W | Depends on PoE connected |
| Simultaneous SSIDs | 16 (14 client, 2 monitor) | 16 (14 client, 2 monitor) | 8 |
| Maximum Tx Power | 2.4 GHz: 23 dBm / 200 mW (2 chains combined)** 5 GHz: 24 dBm / 251 mW (2 chains combined)** | 2.4 GHz: 23 dBm / 200 mW (2 chains combined)** 5 GHz: 24 dBm / 251 mW (2 chains combined)** | 23 dBm / 100mW (2 chains combined)* |
| SSID Types Supported | Local-Bridge, Tunnel, Mesh | Local-Bridge, Tunnel, Mesh | Local-Bridge, Tunnel |
| Per Radio Client Capacity | Up to 512 | Up to 512 | Up to 64 |
| Certifications | | | |
| Wi-Fi Alliance Certified | • | • | |
| DFS Certified | FCC, IC, CE, Japan, Taiwan, Korea | FCC, IC, CE, Japan, Taiwan, Korea | |







FortiAP Unified Threat Protection Capable Wi-Fi 6 (802.11ax) Access Points

| | FAP-U231F | FAP-U431F | FAP-U433F | FAP-U234F | FAP-U432F |
|-----------------------------------|--|--|--|--|--|
| |  |  |  |  |  |
| Suggested Use Case | Mid-range 802.11ax indoor | High performance 802.11ax indoor | High performance 802.11ax indoor | Mid-range 802.11ax Outdoor | High performance 802.11ax Outdoor |
| Hardware | | | | | |
| Number of Radios | 3 + 1 BLE | 3 + 1 BT/BLE | 3 + 1 BT/BLE | 3 + 1 BLE | 3 + 1 BLE |
| Number of Antennas | 4 Internal + 1 BLE/ZigBee Internal | 10 Internal + 1 BT/BLE Internal | 10 External (RP-SMA) + 1 BT/BLE Internal | 3 Internal + 1 BLE External | 10 External + 1 BT/BLE |
| Antenna Type and Peak Gain | PIFA: 4 dBi for 2.4GHz, 6 dBi for 5GHz | PIFA: 4 dBi for 2.4 GHz, 6 dBi for 5 GHz | Dipole: 3.5 dBi for 2.4 GHz, 5 dBi for 5 GHz | Directional patch Antenna | Dual band Dipole Omni Directional Peak Gain 5.5dBi for 2.4GHz and 7dBi for 5.0GHz |
| Radio 1 Capabilities | 2.4 GHz or 5.0 GHz(High Band) a/b/g/n/ac/ax (2x2:2) 20/40/80MHz (BPSK, QPSK, 64/256/1024 QAM) | 5.0 GHz a/n/ac/ax (4x4:4) 20/40/80/160 MHz (64, 1024 QAM) | 5.0 GHz a/n/ac/ax (4x4:4) 20/40/80/160 MHz (64, 1024 QAM) | 2.4 GHz a/b/g/n (2x2:2) or 5.0 GHz (high band) a/b/g/n/ac/ax (2x2:2) (64/256/1024 QAM) | 2.4 GHz a/b/g/n (4x4:4) (64 QAM) or 5.0 GHz (high band) a/b/g/n/ac/ax (4x4:4) (64/256/1024 QAM) |
| Radio 2 Capabilities | 5.0 GHz a/n/ac/ax (2x2:2) 20/40/80MHz (BPSK, QPSK, 64/256/1024 QAM) | 2.4/5.0 GHz a/b/g/n/ac/ax (4x4:4) 20/40/80/160 MHz (64, 1024 QAM) | 2.4/5.0 GHz a/b/g/n/ac/ax (4x4:4) 20/40/80/160 MHz (64, 1024 QAM) | 5.0 GHz a/n/ac/ax (2x2:2) 20/40/80/160 MHz (64/256/1024 QAM) | 5.0 GHz a/b/g/n/ac/ax (4x4:4) 20/40/80/160 MHz (64/256/1024 QAM) |
| Radio 3 Capabilities | 2.4 GHz service b/g/n/ax (2x2:2), dual band scan, 20/40MHz (BPSK, QPSK, 64/256/1024 QAM) | 2.4/5.0 GHz a/b/g/n/ac (2x2:2) 20/40 MHz (64 QAM) | 2.4/5.0 GHz a/b/g/n/ac (2x2:2) 20/40 MHz (64 QAM) | 2.4/5.0 GHz dual band b/g/n/ac (2x2:2) 20/40 MHz (64 QAM) | 2.4/5.0 GHz dual band b/g/n/ac (2x2:2) 20/40 MHz (64 QAM) |
| Maximum Data Rate | Radio 1: up to 1201 Mbps Radio 2: up to 1201 Mbps Radio 3: up to 574 Mbps | Radio 1: up to 4,804 Mbps Radio 2: up to 4,804 Mbps Radio 3: up to 300 Mbps | Radio 1: up to 4,804 Mbps Radio 2: up to 4,804 Mbps Radio 3: up to 300 Mbps | Radio 1: up to 2,402 Mbps Radio 2: up to 2,402 Mbps Radio 3: up to 300 Mbps | Radio 1: up to 4,804 Mbps Radio 2: up to 4,804 Mbps Radio 3: up to 300 Mbps |
| BLE/ZigBee | • / • | • / - | • / - | • / - | • / - |
| Interfaces | 2x GE RJ45, 1x Type A USB, 1x RS-232 RJ45 Serial Port | 1x 2.5GE RJ45, 1x GE RJ45, 1x Type A USB, 1x RS-232 RJ45 Serial Port | 1x 2.5GE RJ45, 1x GE RJ45, 1x Type A USB, 1x RS-232 RJ45 Serial Port | 1 x GE RJ45, 1 x 2.5GE RJ45, 1x RS-232 RJ45 Serial Port | 1 x GE RJ45, 1 x 2.5GE RJ45, 1x RS-232 RJ45 Serial Port |
| Power over Ethernet (PoE) | 1 x 802.3at PoE default, 1 x 802.af PoE with reduce TX power and no USB function | Dual redundant PoE power ports with support for IEEE 802.3af & 802.3at | Dual redundant PoE power ports with support for IEEE 802.3af & 802.3at | 802.3at | 802.3at |
| Power Consumption (Max.) | 18.5W | 24.5 W | 24.5 W | 21 W | 32W max (without PSE) & 45W max (with PSE 12.99W) |
| Simultaneous SSIDs | 24 (21 if background scanning enabled) | 16 (14 client,2 monitor) | 16 (14 client,2 monitor) | 16 (14 if background scanning enabled) | 16 (14 if background scanning enabled) |
| Maximum Tx Power | Radio 1: 2.4GHz: 23 dBm / 200 mW (2 chains combined)* 5GHz: 22 dBm / 158 mW (2 chains combined)* Radio 2: 5GHz: 22 dBm / 158 mW (2 chains combined)* Radio 3: 2.4GHz: 23 dBm / 200 mW (2 chains combined)* 5GHz: 22 dBm / 158 mW (2 chains combined) | Radio 1: 5 GHz: 24 dBm / 251 mW (4 chains combined)* Radio 2: 2.4 GHz: 26 dBm / 398 mW (4 chains combined)* 5 GHz: 24 dBm / 251 mW (4 chains combined)* Radio 3: 2.4 GHz: 22 dBm / 158 mW (2 chains combined)* | Radio 1: 5 GHz: 24 dBm / 251 mW (4 chains combined)* Radio 2: 2.4 GHz: 26 dBm / 398 mW (4 chains combined)* 5 GHz: 24 dBm / 251 mW (4 chains combined)* Radio 3: 2.4 GHz: 22 dBm / 158 mW (2 chains combined)* | Radio 1: 2.4GHz: 25 dBm / 316 mW (2 chains combined)*, 5GHz: 25 dBm / 316 mW (2 chains combined)* Radio 2: 5GHz: 25 dBm / 316 mW (2 chains combined)* Radio 3: 2.4GHz: 27 dBm / 501 mW (2 chains combined)* 5GHz: 25 dBm / 316 mW (2 chains combined)* | Radio 1: 2.4 GHz: 29 dBm / 794 mW (4 chains combined)* 5.0 GHz: 28 dBm / 630 mW (4 chains combined)* Radio 2: 5.0 GHz: 26 dBm / 400 mW (2 chains combined)* Radio 3: 2.4 GHz: 26 dBm / 400 mW (2 chains combined)* 5.0 GHz: 24 dBm / 251 mW (2 chains combined)* |
| SSID Types Supported | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh |
| Per Radio Client Capacity | Up to 512 | Up to 512 | Up to 512 | Up to 512 per radio Radio1 and Radio2 | Up to 512 per radio Radio1 and Radio2 |
| Certifications | | | | | |
| Wi-Fi Alliance Certified | | • | • | | |
| DFS Certified | | FCC, IC, CE,Japan, Taiwan, Korea | FCC, IC, CE,Japan, Taiwan, Korea | | CE |

FortiAP Unified Threat Protection Capable Access Points

| | FAP-U321EV | FAP-U423EV | FAP-U422EV | FAPU24JEV |
|-----------------------------------|--|---|--|---|
| |  |  |  |  |
| Suggested Use Case | High density, 802.11ac W2 indoor | High density, 802.11ac W2 indoor | IP67 High performance 802.11ac W2 outdoor | Low cost, compact 802.11ac wallplug/wall plate |
| Hardware | | | | |
| Number of Radios | 2 + 1 BT/BLE | 2 + 1 BT/BLE | 2 + 1 BT/BLE | 1 or 2 + 1 BT/BLE |
| Number of Antennas | 6 Internal + 1 BT/BLE Internal | 8 External (RP-SMA) + 1 BT/BLE Internal | 8 External (Type N) + 1 BT/BLE Internal | 2 Internal + 1 BT/BLE Internal |
| Antenna Type and Peak Gain | Patch: 4.5 dBi for 2.4 GHz, 6.5 dBi for 5 GHz | Dipole: 3 dBi for 2.4 GHz, 3 dBi for 5 GHz | Dipole: 5 dBi for 2.4 GHz, 7 dBi for 5 GHz | Patch: 3 dBi for 2.4 GHz, 4 dBi for 5 GHz |
| Radio 1 Capabilities | 2.4 GHz b/g/n (3×3:3) 20/40 MHz (64 QAM) | 2.4 GHz b/g/n (4×4:4) 20/40 MHz (64 QAM) | 2.4 GHz b/g/n (4×4:4) 20/40 MHz (64 QAM) | 2.4 GHz b/g/n (2×2:2) 20/40 MHz (64 QAM) or 5 GHz a/n/ac (2×2:2) 20/40/80 MHz (256 QAM) or 2.4 GHz b/g/n (1×1:1) 20/40 MHz (64 QAM) & |
| Radio 2 Capabilities | 5 GHz a/n/ac (3×3:3) 20/40/80 MHz (256/1024 QAM) | 5 GHz a/n/ac (4×4:4) 20/40/80/160 MHz (256/1024 QAM) | 5 GHz a/n/ac (4×4:4) 20/40/80/160 MHz (256/1024 QAM) | 5 GHz a/n/ac (1×1:1) 20/40/80 MHz (256 QAM) |
| Radio 3 Capabilities | - | - | Radio 1: up to 600 Mbps Radio 2: up to 3,466 Mbps | up to 867 Mbps |
| Maximum Data Rate | Radio 1: up to 450 Mbps Radio 2: up to 2,600 Mbps | Radio 1: up to 600 Mbps Radio 2: up to 3,466 Mbps | • | • |
| Bluetooth (BT/BLE) | • | • | 2x GE RJ45, 1x RS-232 RJ45 Serial Port | 2 + 4x GE RJ45 Ports (1× 802.3at PoE (PD), 1× 802.3af PoE (PSE), 1x pass-thru in, 1x pass-thru out) |
| Interfaces | 2x GE RJ45, 1x Type A USB, 1x RS-232 RJ45 Serial Port | 2x GE RJ45, 1x Type A USB, 1x RS-232 RJ45 Serial Port | Proprietary or 802.3at | 802.3af (max PSE output of 4W) or 802.3at (full 802.3af PSE output) |
| Power over Ethernet (PoE) | Dual redundant PoE power ports with support for IEEE 802.3af & 802.3at | Dual redundant PoE power ports with support for IEEE 802.3af & 802.3at | 22 W | 24W (Depends on PoE connected and USB power consumed) |
| Power Consumption (Max.) | 15 W when supplied by 802.3at power and 12.8 W when in 802.3af power mode | 24.5 W when supplied by 802.3at power and 12.5 W when in 802.3af power mode | 16 (14 client, 2 monitor) | 16 (14 client, 2 monitor) |
| Simultaneous SSIDs | 16 (14 client, 2 monitor) | 16 (14 client, 2 monitor) | 2.4 GHz: 24 dBm / 251 mW (4 chains combined)* 5 GHz: 24 dBm / 251 mW (4 chains combined)* | 2.4 GHz: 23 dBm / 200 mW (2 chains combined)* 5 GHz: 21 dBm / 126 mW (2 chains combined)* |
| Maximum Tx Power | 2.4 GHz: 26.7 dBm / 468 mW (3 chains combined)* 5 GHz: 24.7 dBm / 295 mW (3 chains combined)* | 2.4 GHz: 28 dBm / 631 mW (4 chains combined)* 5 GHz: 26 dBm / 398mW (4 chains combined)* | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel |
| SSID Types Supported | Local-Bridge, Tunnel & Mesh | Local-Bridge, Tunnel & Mesh | Up to 256 | Up to 128 |
| Per Radio Client Capacity | Up to 256 | Up to 256 | | |
| Certifications | | | | |
| Wi-Fi Alliance Certified | • | • | • | • |
| DFS Certified | FCC, CE, IC, Japan | FCC, CE, IC, Japan, Taiwan, Korea | FCC, IC, CE, Japan | CE, Japan |

FortiWiFi™ Firewall and WiFi Gateway

| | FWF-30E | FWF-40F | FWF-50E | FWF-60E | FWF-60F | FWF-80F-2R |
|---|---|---|--|---|---|---|
| |  |  |  |  |  |  |
| Suggested Deployment | Home/small office | Home/small office | Home/small office | Distributed office | Distributed office | Distributed office |
| Hardware | | | | | | |
| Form Factor | Desktop, wall mountable | Desktop, wall mountable | Desktop, wall mountable | Desktop, wall mountable | Desktop, wall mountable | Desktop, wall mountable |
| Dimension | 1.61 × 8.27 × 5.24 in | 1.6 × 8.5 × 6.61in | 1.44 × 5.5 × 8.52 | 1.5 × 8.5 × 6.3 in | 1.5 × 8.5 × 6.3 in | 2.4 × 8.5 × 7 in |
| Kensington Lock | | | | | | |
| Ethernet Interfaces | 1 x GE RJ45 WAN, 4 x GE RJ45 Switch ports | 1 x GE RJ45 WAN, 4 x GE RJ45 Switch ports | 2 x GE RJ45 WAN, 5 x GE RJ45 Switch ports | 3 x GE RJ45 WAN/DMZ, 7 x GE RJ45 Switch ports | 3 x GE RJ45 WAN/DMZ, 7 x GE RJ45 Switch ports | 2 x RJ45/SFP shared media, 8 x GE RJ45 Switch ports |
| Other WiFi Variants | — | — | + Storage (FWF-51E) | + Storage (FWF-61E) | + Storage (FWF-61F) | + Storage (FWF-81F-2R) |
| Wireless | | | | | | |
| IEEE Standard | 802.11 a/b/g/n | 802.11 a/b/g/n/ac-W2 | 802.11 a/b/g/n | 802.11 a/b/g/n/ac | 802.11 a/b/g/n/ac-W2 | 802.11 a/b/g/n/ac/ax |
| Number of Radios | 1 | 1 | 1 | 1 | 1 | 2 wifi + 1 scan |
| Radio 1 Band (association rate) | 2.4GHz / 5GHz (300Mbps) | 2.4GHz / 5GHz (450 / 1300Mbps) | 2.4GHz / 5GHz (300Mbps) | 2.4GHz / 5GHz (300 / 867 Mbps) | 2.4GHz / 5GHz (450 / 1300Mbps) | 2.4 GHz (574 Mbps) |
| Radio 2 Band (association rate) | — | — | — | — | — | 5.0 GHz (1201 Mbps) |
| MIMO | 2×2 | 3×3 | 2×2 | 2×2 | 3×3 | 2×2 |
| Max / recommended number of concurrent clients | 128 / 30 | 128 / 30 | 128 / 30 | 128 / 30 | 128 / 30 | 128 / 30 |
| Antenna Type and Count | 2 F-type antennas (RP-SMA) | 3 di-pole antennas (RP-SMA) | 2 F-type antennas (RP-SMA) | 2 di-pole antennas (RP-SMA) | 3 di-pole antennas (RP-SMA) | 3 di-pole antennas (RP-SMA) |
| Antenna Gain | 3 dBi/(3dBi-5GHz) | 4.2 dBi/(3.5dBi-5GHz) | 3 dBi/(3dBi-5GHz) | 3 dBi/(6dBi-5GHz) | 4.2 dBi/(3.5dBi-5GHz) | 4.5 dBi/(5.5dBi-5GHz) |
| Max TX Power | 17dBm | 20dBm | 17dBm | 17dBm | 20dBm | 23 dBm |
| Number of SSIDs | 8 (7 client, 1 monitor) | 8 (7 client, 1 monitor) | 8 (7 client, 1 monitor) | 8 (7 client, 1 monitor) | 8 (7 client, 1 monitor) | 8 (7 client, 1 monitor) |
| Traffic Queues | 4 queues | 4 queues | 4 queues | 4 queues | 4 queues | 8 (7 client, 1 monitor) |
| Rogue AP scanning | | | | | | |
| Dual Band Scanning | • | • | • | • | • | • |
| Background Scan | • | • | • | • | • | • |
| Full-time dedicated monitor | • | • | • | • | • | • |
| Single Radio Dual band scanning | • | • | • | • | • | • |
| Management | | | | | | |
| WebUI & CLI | • | • | • | • | • | • |
| Max managed APs | 2 | 16 | 10 | 30 | 64 | 96 |
| Cloud deployment support | • | • | • | • | • | • |
| Certifications | | | | | | |
| Wi-Fi Alliance Certified | | | | | | |
| DFS Certified | | | | | | |



* Certification covers following specifications: - 802.11a/b/g/n, Short Guard Interval, TX A-MPDU, STBC, 40 MHz operation in 5 GHz/WPA™ Personal, WPA™ Enterprise /Personal, WPA2™ , Enterprise / Personal, WMM™, EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC, EAP-SIM, EAP-AKA, EAP-FAST, 802.11 d/h, WMM Power Save..

** Additional filtration added to reduce interference in 2.4GHz band from nearby cellular equipment.

FortiGate/FortiWiFi® Wireless Controller (with FortiOS 7.0)

| | FortiGate/FortiWiFi 40 Series | FortiGate/FortiWiFi 60 Series | FortiGate/FortiWiFi 80 Series | FortiGate 100 Series | FortiGate 200 Series |
|-------------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------|----------------------|
| Hardware | | | | | |
| Product Range / Form Factor | Entry / Desktop | Entry / Desktop | Entry / Desktop | Mid Range / 1 RU | Mid Range / 1 RU |
| GE PoE/PoE+ Interfaces | - | - | - / 8 (FG80/81F-POE) | - | - |
| Capacity | | | | | |
| Maximum Supported APs (Tunnel Mode) | 8 | 32 | 48 | 64 | 128 |
| Maximum Supported APs (Total) | 16 | 64 | 96 | 128 | 256 |
| Max number of SSIDs | 32 | 32 | 32 | 256 | 256 |
| Max CAPWAP throughput | 3.5 Gbps | 8 Gbps | 9 Gbps | 15 Gbps | 20 Gbps |
| | FortiGate 400 Series | FortiGate 600 to 900 Series | FortiGate 1000 to 3000 Series | FG-4000 Series | FG-VM Series |
| Hardware | | | | | |
| Product Range / Form Factor | Mid Range / 1 RU | Mid Range / 1 RU | High End / 2-3 RU | High End / 3 RU | - |
| Capacity | | | | | |
| Maximum Supported APs (Tunnel Mode) | 256 | 512 | 2,048 | 4,096 | 32 - 2,048 |
| Maximum Supported APs (Total) | 512 | 1,024 | 4,096 - 8,192 | 8,192 | 64 - 4,096 |
| Max number of SSIDs | 256 | 256 | 1,024 - 4,096 | 4,096 | 32 - 1,024 |
| Max CAPWAP throughput | 14.8 Gbps | 5.5 Gbps - 18 Gbps | 11 Gbps - 65 Gbps | 47 - 63 Gbps | Refer to Data Sheet |

FortiWLM Wireless Manager

| | FWM-100D | FWM-1000D | FWM-VM | FWM-MEA |
|------------------------------|--|--|--|-------------------------|
| |  |  | | |
| Suggested Use Case | Small enterprises | Medium to large enterprises | Small to large enterprises | Medium enterprises |
| Hardware | | | | |
| Form Factor | 1 RU | 1 RU | Supports VMware, Hyper-V, AWS and KVM hypervisors. | MEA within FortiManager |
| Ethernet Interfaces | 4x GE RJ45 | 4x GE RJ45, 4x GE SFP | — | — |
| Capacity | | | | |
| Number of Infrastructure APs | 2,000 | 15,000 | 20,000 | 2,000 |
| Number of Stations | 20,000 | 100,000 | 150,000 | 25,000 |



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