# Carrier-Grade NAT Solutions
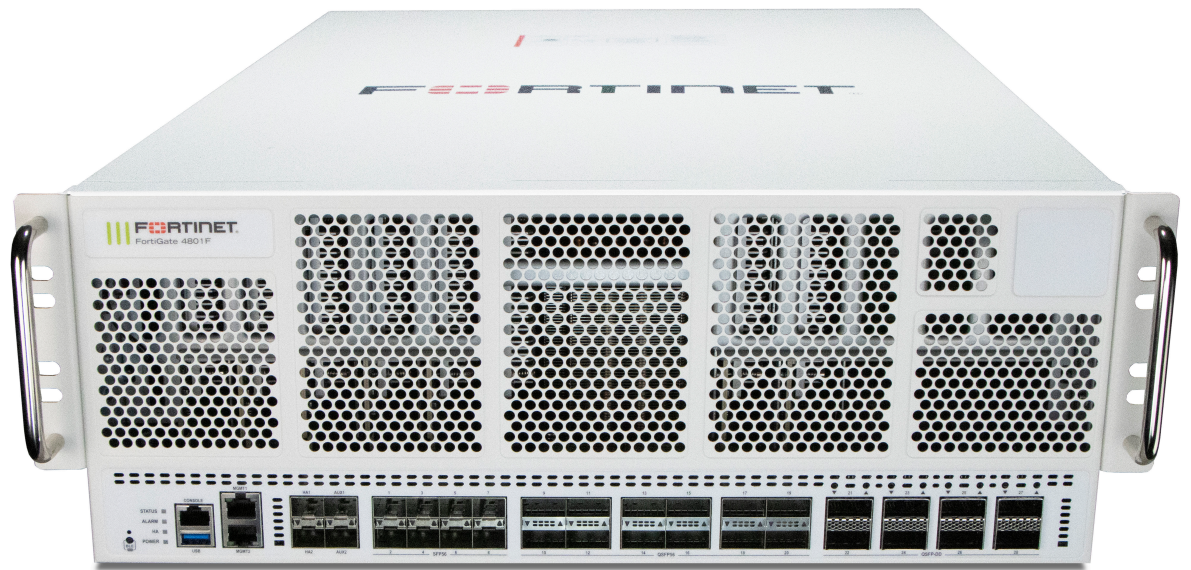


### Highlights

Proven High Performance

Flexible Solutions

Licensing Options

Seamless Deployment

## IPv4 and IPv6 Addresses Management and Security for Seamless Operations

Given the co-existence of IPv4 and IPv6 infrastructures for years to come, coupled with the explosion of connected devices and the migration to 5G, service providers must extend the life of IPv4 network infrastructures and ensure a transparent and scalable IP address translation to their customers.

Fortinet Carrier Grade NAT (CG-NAT) solutions offer a broad, scalable, and flexible set of tools, consumption models, and form factors to empower service providers to connect IPv4 and IPv6 devices and support the current exponential traffic growth.

Fortinet CG-NAT is natively secured with stateful L4 firewalling and continuous threat intelligence powered by FortiGuard Labs security services.

## Solution Features

**Network Address Translation**

- Implements key CG-NAT function defined by 3GPP specifications that protect 5G and 4G mobile networks

- Fortinet CG-NAT solutions allow operators to conserve the public IPv4 space assigned to them

- Carrier-grade scalability with ultra-high number of IP address translations and connection setup rates, high throughput, and high-speed logging

- Comprehensive Application Layer Gateway (ALG) support

- Comprehensive Carrier-Grade NAT and IPv6 migration options including: NAT44, NAT444, NAT64/DNS64, NAT46

**Security**

- Provides a powerful and stateful L4 firewall for the N6 and SGi/Gi interfaces that blocks random attacks coming from Internet

- Known attacks detection and prevention using continuous threat intelligence from AI-powered FortiGuard Labs security services

- IP mapping logging in compliance with national regulation

**Performance**

- Specialized hardware acceleration architecture with carrier grade connections per second (CPS) for processing massive signaling surges

- Fortinet's NP7 purpose-built security processor units (SPU) deliver the industry's best performance and ultra-low latency

- Virtual CG-NAT appliances feature advanced virtual security processing units (vSPU) to provide top performance.

**Management**

- Includes a centralized management console that is effective and simple to use, which provides comprehensive network automation and visibility

- Zero-Touch Provisioning with Single-Pane-of-Glass Management powered by the Fabric Management Center

- Application programming interfaces (APIs) and connectors for operations and management integration

**Total Cost of Ownership (TCO) Reduction**

- High performance, low footprint physical and virtual appliances, coupled with flexible licensing

- Lower TCO through efficient space and power consumption and efficient management and operations tools

### Certification

- Independently tested and validated best security effectiveness and performance

### Form Factors

- FortiGate physical appliances: 1800F, 2600F, 3000F, 3500F, 4200F, 4400F, 4800F

- FortiGate virtual appliances: VM04, VM08, VM16, VM32, VMUL

- FortiFirewall series: 1801F, 2600F, 3001F, 3501F, 4200F, 4400F, 4801F, VMUL

- Public cloud support: AWS, MS Azure, Google Cloud, Oracle Cloud

## Proven, High Performance, and Flexible CG-NAT Platforms and Solution

Fortinet's FortiGate and FortiOS have long provided iron-clad security services in many service provider and large enterprise networks. Our Carrier-Grade IPv4/v6 Network services are based on the same familiar interface and proven carrier-grade reliability of the FortiOS.

Fortinet CG-NAT solutions deliver high predictability and service-level consistency to environments that generate massive amounts of connection set-ups and teardowns. With Fortinet's powerful Security Processing Units (SPUs), we provide a high level of performance supporting up to 25 million new connections per second, 1.8 billion concurrent sessions and 3.1 Tbps of throughput in a single CG-NAT appliance with hardware acceleration, ensuring consistent high performance.

- Comprehensive Carrier-Grade NAT and IPv6 migration option including: NAT44, NAT444, NAT46, NAT64/DNS64

- Predictable high performance for centralized and regional sites with security processing units (SPU and vSPU) for offload and acceleration, including hardware-generated NAT logs and IP fragment handling in the SPUs

- Native multitenancy support with virtual domains (VDOMs) enables separate CG-NAT policies per network slice or APN/DNN

- Compact form factor is ideal for space-constraint applications and lowers colocation cost for service providers

- The most efficient, smallest footprint CG-NAT VNF enables energy efficiency and is a good fit for environments with limited resources, such as Private 5G or Multi-access Edge Computing (MEC)

- A rich ecosystem of application programming interfaces (APIs) and connectors for ease of onboarding and integration to the MNO's ecosystem such as operation and management, orchestration, and business support system (BSS)

| Model (with hyperscale license for physical appliances) | 4800F | 4400F | 4200F | 3500F | 3000F | 2600F | 1800F | VMUL | VM32 | VM16 | VM08 | VM04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CG-NAT Throughput** | 3.1 Tbps | 1.15 Tbps | 800 Gbps | 595 Gbps | 389 Gbps | 196 Gbps | 197 Gbps | NA* | 50 Gbps | 36 Gbps | 33 Gbps | 28 Gbps |
| **Concurrent Sessions (TCP)** | 1800M | 700M | 450M | 348M | 230M | 40M | 40M | NA** | | | | |
| **New Sessions Per Second (TCP)** | 25M | 10M | 7M | 5M | 3M | 2M | 2M | NA* | 850K | 680K | 520K | 290K |

* Will depend on the characteristics of the underlying platform

** Will depend on the amount of available memory

## Flexible Licensing Models

Carrier-Grade NAT (CG-NAT) functionality can be delivered via three different pricing models described as follows.

### FortiGate CAPEX Pricing Model

- In this pricing model, the platform, physical and/or virtual FortiGate, is paid in advance, covering the full capacity that the platform can deliver

### FortiFirewall Bandwidth-Based Pricing Model

This pricing model consists of two components:

- The barebone platform, physical and/or virtual FortiFirewall, is paid upfront.
- Perpetual and stackable bandwidth licenses of 10 Gbps and 100 Gbps. This is a network-wide bandwidth license that allows for short, rare bursts of traffic exceeding the licensed capacity.

This pricing model allows operators to better align their costs with revenues from their customers, with flexibility of adding a network-wide peak bandwidth license based on traffic usage.

### Flex VM Pricing Model

The VM-only model allows service providers to purchase prepaid points in advance in units of 10,000 consumption points. Points are deducted daily, based on resource consumption. Unused points can be rolled over annually, provided additional terms and conditions are satisfied. This model simplifies license management and provides predictable OpEx.

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### Hyperscale Firewall License

The hyperscale license enables ultra-high scalability and performance by unlocking further performance boosts and is applicable to both the FortiGate and the FortiFirewall CG-NAT physical platforms. The Hyperscale Firewall License will enable the hardware acceleration of CG-NAT features by utilizing the latest SPU NP7. These features include session setup, session logging, and NAT all performed in hardware at market-leading speeds.

## Seamless IPv4/IPv6 CG-NAT Deployment (ISP, 4G, 5G)

Fortinet CG-NAT platforms can either be in a physical appliance form factor or in a virtual form factor. Physical FortiGates and FortiFirewalls are suitable for centralized CG-NAT architectures requiring high performance. FortiGates and FortiFirewalls VMs are suitable for more distributed CG-NAT architectures where PDN breakout points are distributed over regional data centers and Multiaccess Edge Compute (MEC) sites. Using a mix of Fortinet CG-NAT platforms, operators can build a high-performance, cost-effective solution for hybrid architectures in ISP, 5G, and 4G networks.
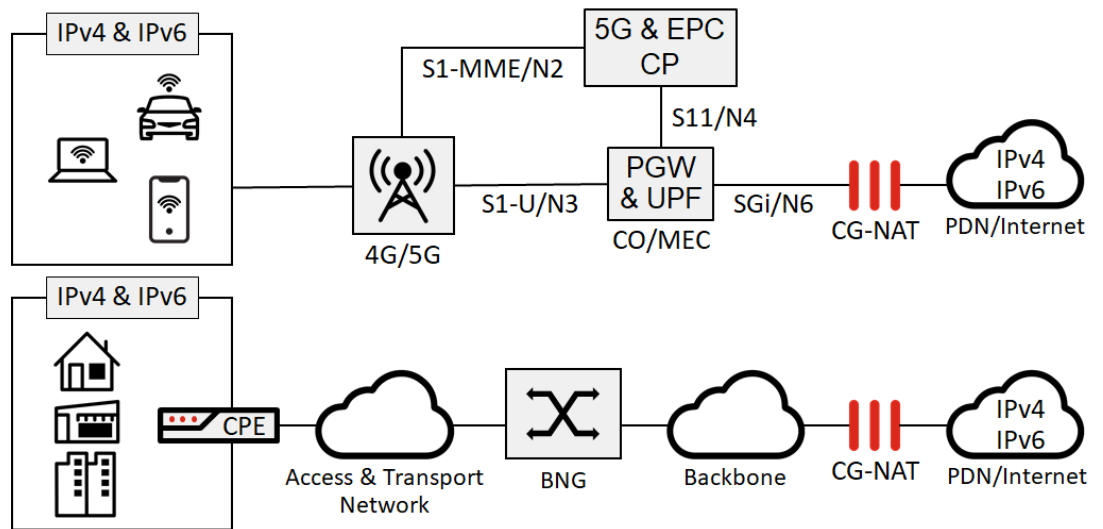


**CG-NAT DEPLOYMENT**

## Features

| FEATURE | SUPPORTED MODES |
|---|---|
| **NAT Modes** | NAT44, NAT444, NAT64, DNS64, NAT46, NAT 66, 464 XLAT, MAP-E, MAP-T, EIM, EIF |
| **Address-Port Allocation Policies** | Port Block Allocation (PBA), Overload PBA, Single Port Allocation (SPA), Overload SPA, Fixed Allocation/Deterministic, Overload, One-to-One, Fixed Port Range |
| **Application Layer Gateway (ALG)** | FTP, TFTP, SIP, MGCP, H.323, PPTP, L2TP, ICMP Error/IP-options, PMAP, DCE-RPC, RAS, RSH, TNS |
| **Subscriber category** | PFCP (N4, Sxa, Sxb), RADIUS Accounting |
| **High availability mechanism** | VRRP + eBGP, ECMP, FGCP, FGSP |
| **High availability mode** | Active/active, active/passive |
| **IP fragment handling in hardware** | Yes |
| **Dynamic routing** | Yes |
| **NAT log format in hardware** | Syslog, NetFlow/IPFIX |
| **HW based traffic distribution** | Source IP, 5 tuple |
| **Hardware log generation** | Per session, per session ending, per NAT mapping |
| **Hardware log server targets** | Up to 16 |

# Specifications

| CATEGORY | 4800F | 4400F | 4200F | 3500F | 3000F | 2600F | 1800F |
|---|---|---|---|---|---|---|---|
| **Interfaces and Modules** | | | | | | | |
| **400GE/200GE QSFP-DD slots** | 8 | | | | | | |
| **200GE/100GE/40GE QSFP56/ QSFP28/ SFP28 slots** | 12 | | | | | | |
| **100/40 GE QSFP+/QSFP28 Slots** | | 12 | 8 | 6 | 6 | 4 | 45 |
| **50GE/25GE/10GE/GE SFP56/28/SFP+/SFP slots** | 8 | | | | | | |
| **25 GE SFP28 /10 GE SFP+ /GE SFP Slots** | | 16 | 16 | 32 | 16 | 16 | 12 |
| **25 GE SFP28 /10 GE SFP+ /GE SFP HA Slots** | | 2 | 2 | | | | |
| **50GE/25GE/10GE/GE SFP56/28/SFP+/SFP HA/AUX slots** | 4 | | | | | | |
| **25 GE SFP28 /10 GE SFP+ /GE SFP AUX Slots** | | 2 | 2 | | | | |
| **1/10 GE SFP/SFP+ Slots** | | | | | | 2 | 84 |
| **1/10 GE RJ45 Slots** | | | | | 18 | 16 | 164 |
| **GE RJ45 Management Ports** | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| **USB Ports** | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| **Console Port** | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| **Internal Storage** | | 4 TB (4401F) | 4 TB (4201F) | 4 TB (3501F) | 2 TB (3001F) | 2 TB (2601F) | 2 TB (1801F) |
| **Included Transceivers** | 2x SFP+ (SR 10 GE) | 2x SFP+ (SR 10 GE) | 2x SFP+ (SR 10 GE) | 2x SFP+ (SR 10GE) | 2x SFP+ (SR 10GE) | 2x SFP+ (SR 10GE) | 2x SFP+ (SR 10GE) |
| **Performance and Capacity - CG-NAT** | | | | | | | |
| **CG-NAT and Firewall Throughput (1518/512/64 byte, UDP)** | 3.1 / 3.1 / 0.93 Tbps | 1.15/1.14/0.50 Tbps | 800/788/400 Gbps | 595/590 /420 Gbps | 397/389/221 Gbps | 198/196/120 Gbps | 198/197/140 Gbps |
| **Latency (64 byte, UDP)** | 3.6 µs | 2.98 µs | 3.02 µs | 2.98 µs | 3.92 µs | 3.41 µs | 3.22 µs |
| **Concurrent Sessions (TCP)** | 280 Million[1]/ 1.8 Billion[2] | 210 Million[1]/ 700 Million[2] | 210 Million[1]/ 450 Million[2] | 140 Million[1]/ 348 Million[2] | 70 Million[1]/ 230 Million[2] | 24 Million[1]/ 40 Million[2] | 12 Million[1]/ 40 Million[2] |
| **New Sessions/Second (TCP)** | 915,000[1]/ 25 Million[2] | 1 Million[1]/ 10 Million[2] | 1 Million[1]/ 7 Million[2] | 1 Million[1]/ 5 Million[2] | 870,000[1]/ 3 Million[2] | 1 Million[1]/ 2 Million[2] | 750,000[1]/ 2 Million[2] |
| **High Availability Configurations** | Active / Active, Active / Passive, Clustering | Active/Active, Active/Passive, Clustering | Active/Active, Active/Passive, Clustering | Active/Active, Active/Passive, Clustering | Active / Active, Active / Passive, Clustering | Active/Active, Active/Passive, Clustering | Active/Active, Active/Passive, Clustering |
| **Dimensions and Power** | | | | | | | |
| **Height x Width x Length (inches)** | 6.89 × 17.13 × 26.10 | 6.97 × 17.20 × 26.17 | 5.22 × 17.20 × 26.17 | 3.5 × 17.4 × 21.9 | 3.50 × 17.40 x 21.90 | 3.5 × 17.25 × 21.1 | 3.5 × 17.25 × 21.1 |
| **Height x Width x Length (mm)** | 175 × 435 × 663 | 177 × 437 × 665 | 132.5 × 437 x 664.8 | 89 × 443 × 556 | 89 × 443 × 556 | 88.4 × 438 × 536 | 88.4 × 438 × 536 |
| **Weight[3]** | 90.83 lbs ( 41.2 kg) | 81.8 lbs (37.1 kg) | 59.75 lbs (27.1 kg) | 43.8 lbs (19.9 kg) | 43.8 lbs (19.9 kg) | 30.6 lbs (13.9 kg) | 30.2 lbs (13.7 kg) |
| **Form Factor (supports EIA/non-EIA standards)** | Rack Mount, 4 RU | Rack Mount, 4 RU | Rack Mount, 3 RU | Rack Mount, 2 RU | Rack Mount, 2 RU | Rack Mount, 2 RU | Rack Mount, 2 RU |
| **AC Power Supply** | 100–240V AC, 50/60 Hz | 100-240V AC, 50/60 Hz | 100-240V AC, 50/60 Hz | 100-240V AC, 50/60 Hz | 100–240V AC, 50/60 Hz | 100-240V AC, 47/63 Hz | 100-240V AC, 50/60 Hz |
| **Power Consumption[3] (Average / Maximum)** | 1602 W / 1918.2 W | 1533W/1875W | 931 W/1291 W | 760 W/1174 W | 425 W / 680 W | 416 W/510 W | 388.3 W/543.6 W |
| **AC Current (Maximum)** | 7.99A@240VAC | 20A@100V, 9A@240V | 13.5A@120V, 5.5A@240V | 12A@120V, 9A@240V | 12A@100V, 9A@240V | 6A | 7A@100VAC, 3A@240VAC |
| **Heat Dissipation[3]** | 6544.9 BTU/h | 6397.77 BTU/h | 4405 BTU/h | 4006 BTU/h | 2321 BTU/h | 1740 BTU/h | 1854.84 BTU/h |
| **DC Power Input Range** | | -48V to -60V DC | -48V to -60V DC | | | -48VDC to -60VDC | -48V to -60V DC |
| **DC Current (Maximum)** | | 32A/100Apk | 20A/100Apk | | | 15A | 20A |
| **Redundant Power Supplies** | Yes, Hot Swappable, 2+2 (AC), 1+1 (DC) | Yes, Hot Swappable, 2+2 (AC), 1+1 (DC) | Yes, Hot Swappable | Yes, Hot Swappable | Yes, Hot Swappable | Yes, Hot Swappable | Yes, Hot Swappable |

# Specifications

| CATEGORY | 4800F | 4400F | 4200F | 3500F | 3000F | 2600F | 1800F |
|---|---|---|---|---|---|---|---|
| **Operating Environment and Certifications** | | | | | | | |
| **Operating Temperature** | 32°–104°F (0°–40°C) | 32-104°F (0-40°C) | 32-104°F (0-40°C) | 32-104°F (0-40°C) | 32–104°F (0–40°C) | 32-104°F (0-40°C) | 32-104°F (0-40°C) |
| **Storage Temperature** | -31°–158°F (-35°–70°C) | -31-158°F (-35-70°C) | -31-158°F (-35-70°C) | -31-158°F (-35-70°C) | -31-158°F (-35-70°C) | -31-158°F (-35-70°C) | -31-158°F (-35-70°C) |
| **Humidity** | 20%–90% non-condensing | 20-90% non-condensing | 20-90% non-condensing | 20-90% non-condensing | 5–90% non-condensing | 10-90% non-condensing | 10-90% non-condensing |
| **Noise Level** | 68.9 dBA | 68.9 dBA | 57 dBA | 53.5 dBA | 69 dBA | 71.72 dBA | 62.74 dBA |
| **Operating Altitude** | Up to 7400 ft (2250 m)[6] | Up to 7400 ft (2250 m) | Up to 7400 ft (2250 m) | Up to 7400 ft (2250 m) | Up to 7400 ft (2250 m) | Up to 7400 ft (2250 m) | Up to 7400 ft (2250 m) |
| **Compliance** | FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB | FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB | FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB | FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB | FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB | FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB | FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB |

1 Without Hyperscale Firewall License

2 With Hyperscale Firewall License

3 Version without storage

4 GE only

5 40 GE QSFP+ only

6 Operating at maximum temperature derates 1.5°C per 1000 ft (305 m)

| CATEGORY | VM-UL | VM-32 | VM-16 | VM-08 | VM-04 |
|---|---|---|---|---|---|
| **Performance and Capacity - CG-NAT** | | | | | |
| **vCPU Support (minimum/Maximum)** | 1/unlimited | 1/32 | 1/16 | 1/08 | 1/04 |
| **Memory Support (Minimum)** | NA* | 2 GB | 2 GB | 2 GB | 2 GB |
| **Storage Support (Minimum/Maximum)** | 32 GB/2 TB | 32 GB/2 TB | 32 GB/2 TB | 32 GB/2 TB | 32 GB/2 TB |
| **CG-NAT and Firewall Throughput (1518 byte, UDP)** | NA* | 110.4 Gbps | 107.1 Gbps | 114.3 Gbps | 61 Gbps |
| **Concurrent Sessions (TCP)** | NA* | NA | NA | NA | NA |
| **New Sessions/Second (TCP)** | NA* | 850K | 680K | 520K | 290K |

*Will depend on the characteristics of the underlying platform

# Ordering Information

| CG-NAT PHYSICAL PLATFORMS | | | |
|---|---|---|---|
| **Model** | **Product** | **FortiGate SKU** | **FortiFirewall SKU** |
| **4800F** | Appliance | FG-4800F | FFW-4801F |
| | FortiCare Premium Support for 4800F | FC-10-F48HF-247-02-DD | FC-10-B481F-247-02-DD |
| | Hyperscale Firewall License 4800F | LIC-FG48F-HYPSC | LIC-FG48F-HYPSC |
| **4400F** | Appliance | FG-4400F | FFW-4400F |
| | FortiCare Premium Support for 4400F | FC-10-F44HF-247-02-DD | FC-10-B440F-247-02-DD |
| | Hyperscale Firewall License 4400F | LIC-FG44F-HYPSC | LIC-FG44F-HYPSC |
| **4200F** | Appliance | FG-4200F | FFW-4200F |
| | FortiCare Premium Support for 4200F | FC-10-F42HF-247-02-DD | FC-10-B420F-247-02-DD |
| | Hyperscale Firewall License 4200F | LIC-FG42F-HYPSC | LIC-FG42F-HYPSC |
| **3500F** | Appliance | FG-3500F | FFW-3501F |
| | FortiCare Premium Support for 3500F | FC-10-F3K5F-247-02-DD | FC-10-FF35F-247-02-DD |
| | Hyperscale Firewall License 3500F | LIC-FG35F-HYPSC | LIC-FG35F-HYPSC |
| **3000F** | Appliance | FG-3000F | FFW-3001F |
| | FortiCare Premium Support for 3000F | FC-10-F3K0F-247-02-DD | FC-10-FF3K1-247-02-DD |
| | Hyperscale Firewall License 3000F | LIC-FG30F-HYPSC | LIC-FG30F-HYPSC |
| **2600F** | Appliance | FG-2600F | FFW-2600F |
| | FortiCare Premium Support for 2600F | FC-10-FD26F-247-02-DD | FC-10-F260F-247-02-DD |
| | Hyperscale Firewall License 2600F | LIC-FG26F-HYPSC | LIC-FG26F-HYPSC |
| **1800F** | Appliance | FG-1800F | FFW-1801F |
| | FortiCare Premium Support for 1800F | FC-10-F18F1-247-02-DD | FC-10-F181F-247-02-DD |
| | Hyperscale Firewall License 1800F | LIC-FG18F-HYPSC | LIC-FG18F-HYPSC |
| CG-NAT VIRTUAL PLATFORMS | | | |
| **Model** | **Product** | **FortiGate SKU** | **FortiFirewall SKU** |
| **VM-UL** | Virtual Appliance | FG-VMUL | FF-VMBB |
| | FortiCare 24×7 Support for FortiGate VM-UL | FC-10-FVMUL-248-02-DD | FC-10-FVMBB-248-02-DD |
| **VM-32** | Virtual Appliance | FG-VM32 | |
| | FortiCare 24×7 Support for FortiGate VM-32 | FC-10-FVM32-248-02-DD | |
| **VM-16** | Virtual Appliance | FG-VM16 | |
| | FortiCare 24×7 Support for FortiGate VM-16 | FC-10-FVM16-248-02-DD | |
| **VM-08** | Virtual Appliance | FG-VM08 | |
| | FortiCare 24×7 Support for FortiGate VM-08 | FC-10-FVM08-248-02-DD | |
| **VM-04** | Virtual Appliance | FG-VM04 | |
| | FortiCare 24×7 Support for FortiGate VM-04 | FC-10-FVM04-248-02-DD | |

# Ordering Information

| CG-NAT FORTIFIREWALL BANDWIDTH LICENSES[1] | | |
|---|---|---|
| **Product** | **FortiGate SKU** | **FortiFirewall SKU** |
| 10Gbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FG-PBC-10G |
| FortiCare Premium Support for 10Gbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FC1-10-FGPBC-248-01-DD[2] |
| FortiCare Elite Support for 10Gbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FC1-10-FGPBC-285-01-DD[2] |
| FortiCare Upgrade-to-Elite Support for 10Gbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FC1-10-FGPBC-204-01-DD[2] |
| 100Gbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FG-PBC-100G |
| FortiCare Support for 100Gbps CG-NAT Bandwidth License for FortiFirewall | N/A (included in Platform) | FC2-10-FGPBC-248-01-DD[2] |
| FortiCare Elite Support for 100Gbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FC2-10-FGPBC-285-01-DD[2] |
| FortiCare Upgrade-to-Elite Support for 100Gbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FC2-10-FGPBC-204-01-DD[2] |
| 1Tbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FG-PBC-1000G |
| FortiCare Support for 1Tbps CG-NAT Bandwidth License for FortiFirewall | N/A (included in Platform) | FC3-10-FGPBC-248-01-DD[2] |
| FortiCare Elite Support for 1Tbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FC3-10-FGPBC-285-01-DD[2] |
| FortiCare Upgrade-to-Elite Support for 1Tbps CG-NAT Bandwidth License for FortiFirewall (BW stackable) | N/A (included in Platform) | FC3-10-FGPBC-204-01-DD[2] |

1. Network-wide bandwidth licenses to be added on the top of a collection of FortiFirewall physical or virtual platforms.

2. Replace DD by 12 or 36 months.

**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.

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https://www.go2mhz.com/product/carrier-grade-nat-solutions/

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