




## Fortigate: Learn How to Install & Set Up Gateway Network Security [3417T0695A]

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The FORTINET 3417T0695A Network Security Gateway Installation Guide provides detailed instructions on how to install and configure the Fortinet 3417T0695A network security gateway. The guide includes information on basic connections, wall mount, desktop, and rack/rail mount options, SFP ports, and setup options. Users can choose to set up their device locally or on the cloud using the GUI, FortiGate Cloud, FortiExplorer, or Command Line Interface (CLI). The guide also offers information on how to register for free licenses and services, including FortiCare subscriptions, firmware updates, USB modem database updates, application control database updates, device signatures database updates, internet service database updates, and Fortinet bundled services with FortiCare. Additionally, the guide highlights the key features and benefits of Fortinet Security Processors and the Fortinet Security Fabric Integration. Fortinet is the only network security vendor to earn independent certifications across all core security technologies, demonstrating their ability to consolidate multiple security technologies while still meeting the highest standards of performance and accuracy.

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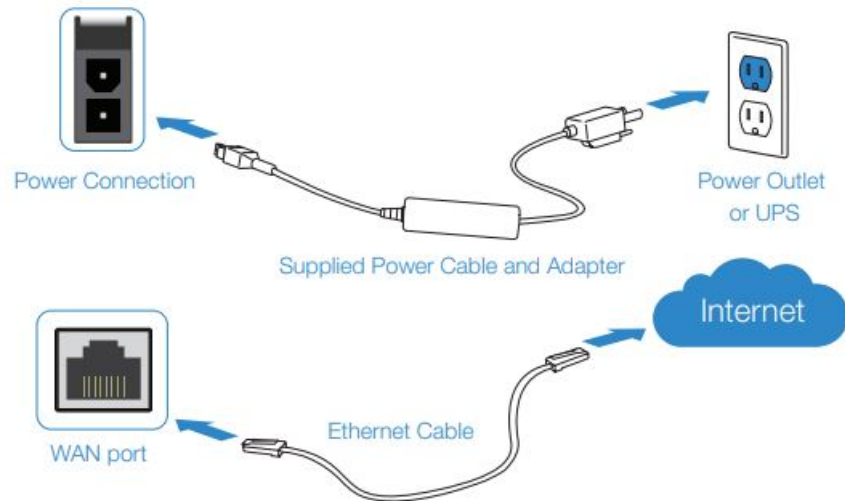
## FORTINET 3417T0695A Network Security Gateway



## Installation

Your FortiGate/FortiWiFi includes a wall mount kit and connection cables. Desktop installation, rack mount and slide-rail kits are also available.

## Basic Connections



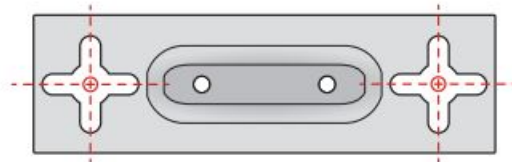
1. Plug in your device to power outlet using the provided power adapter & cable
2. Connect a WAN port to the internet using the supplied Ethernet cable

**Note:** We recommend connecting your FortiGate to an uninterruptible power supply (UPS) in case of a power outage

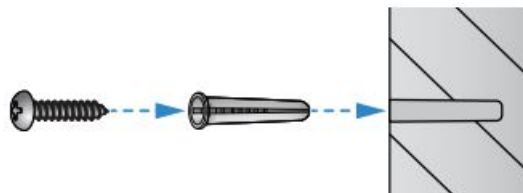
**Optional:** The FortiGate/FortiWiFi 80F/81F Series have optional dual DC inputs for failover redundancy. If both DC inputs are used, only one is active. If the active DC input fails, the second input will be active.

## Wall Mount Option

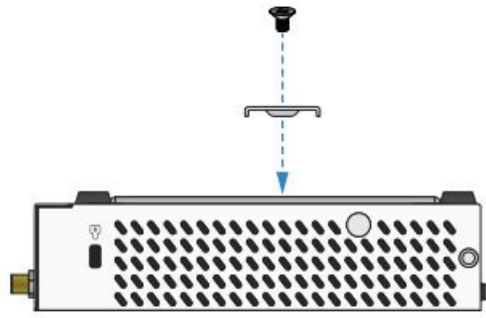
1. Mark the location of the holes using the mounting bracket



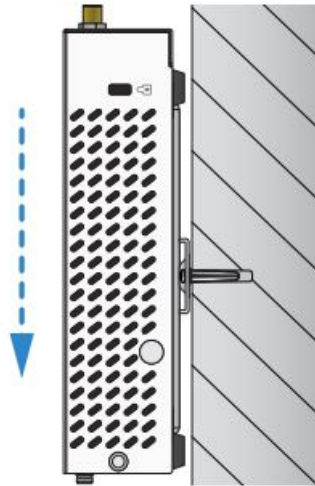
2. Drill holes for the anchors
3. Insert the anchors and then screw in the screws with 2mm exposed



4. Fasten the mounting bracket



5. Position the device and slide into place



6. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or separate power source

## Desktop Option

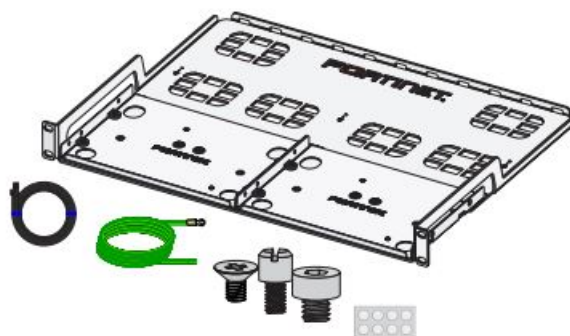
1. Place the unit on a flat, clean and stable surface
2. Ensure there is at least 1.5in of clearance for adequate airflow



3. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or separate power source

## Rack/Rail Mount Option

Fortinet carries a variety of standard and custom rack and rail mount accessories, including a rack mount tray kit,



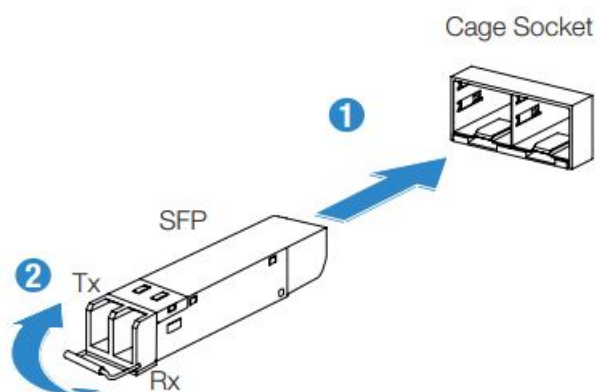
SP-RACKTRAY-02

**Ordering:** Contact Fortinet to order brackets, rail slide kits, rack mount kits and other accessories, such as a console cable

## SFP Ports

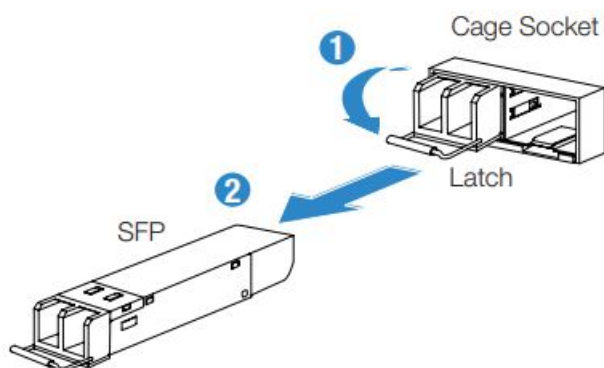
### To install the SFP transceivers

1. Slide the SFP into the cage socket until it clicks into place
2. Lift the latch to lock the SFP



### To remove the SFP transceivers

1. Lower the latch to unlock the SFP
  1. Carefully pull the SFP out of the cage socket



## Setup Options

Set up your device locally or on the cloud. Choose one of the following options to complete your setup, then configure your device.

## GUI

An easy-to-use GUI, compatible with most web browsers. To minimize scrolling, the screen resolution should be at least 1280 x 1024 pixels.

## FortiGate Cloud

FortiGate Cloud is a cloud-based infrastructure management solution and log retention service. It provides centralized reporting, traffic analysis, configuration management, and log retention without the need for additional hardware and software.

## FortiExplorer

FortiExplorer for iOS is a user-friendly iOS application that helps you configure, manage, and monitor appliances. FortiExplorer rapidly provisions, deploys, and monitors Security Fabric components such as FortiGate, FortiWiFi, and FortiAP devices.

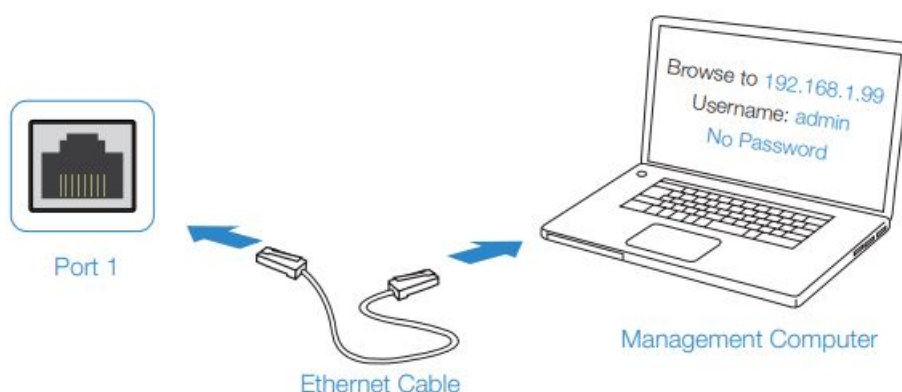
## Command Line Interface (CLI)

An alternate configuration tool from the web-based manager that uses a terminal emulation application to type commands or upload batches of commands from a text file or configuration script. Requires a console cable (available for purchase).

For additional info on SFP's, visit: [support.fortinet.com](https://support.fortinet.com)

## A GUI

1. Connect port 1 to the Management Computer using the supplied Ethernet cable
2. Enable DHCP or set the Management Computer's IP and subnet to:
  - Static IP Address: 192.168.1.1
  - Subnet Mask: 255.255.255.0
3. Visit 192.168.1.99 in a web browser



4. Log in with username admin and no password



FortiNet login form with a green header. It contains two input fields: "Username" and "Password". Below the fields is a green "Login" button.

5. When prompted to register, enter your Fortinet credentials



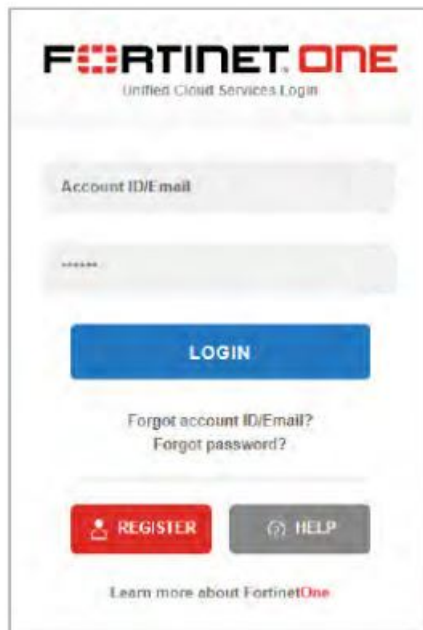
FortiCare Registration Required form. It displays the Serial Number *FG800D3915800295*. The Action section has "Login" (green) and "Create Account" (white) buttons. Below are input fields for Email, Password, Country (dropdown), and Reseller (dropdown). A "Forgot your password?" link is present. At the bottom are "OK" (green) and "Cancel" (white) buttons.

6. The FortiCare Support Status in the FortiOS License Information widget will change to Registered

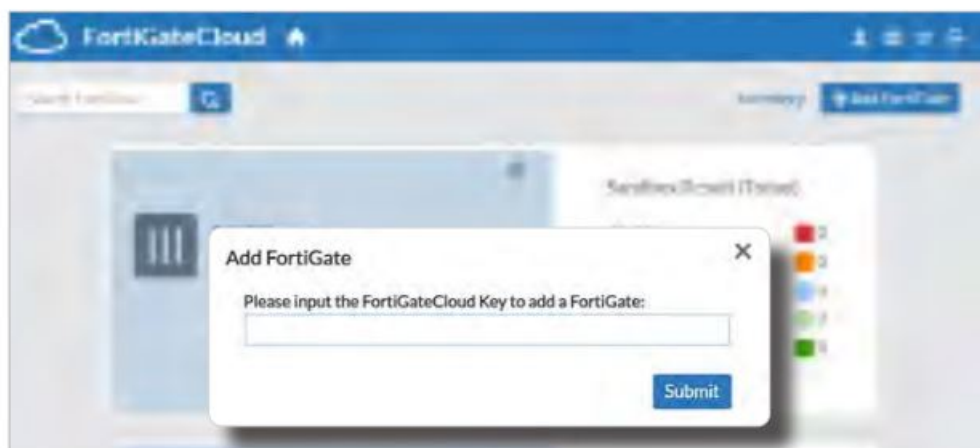
License Information		
Entitlement	Status	
FortiCare Support	Registered	
Enhanced Support	8x5 support - expires on 2020/03/08	
Virtual Machine	Valid - expires on 2020/03/06	
Allocated vCPUs	25% 1 / 4	
Allocated RAM	1002 MiB	
Firmware & General Updates	Licensed - expires on 2020/03/08	
Application Control Signatures	Version 6.00741	
Device & OS Identification	Version 1.00084	
Internet Service Database Definitions	Version 7.00109	
Intrusion Prevention	Licensed - expires on 2020/03/08	
IPS Definitions	Version 6.00741	
IPS Engine	Version 5.00031	
Malicious URLs	Version 2.00430	
Botnet IPs	Version 1.00000	

## FortiGate Cloud

1. Log in to forticloud.com using your Fortinet credentials



2. Click Add FortiGate and enter the Cloud Key located on the sticker on your device



3. You can now manage your device from the cloud

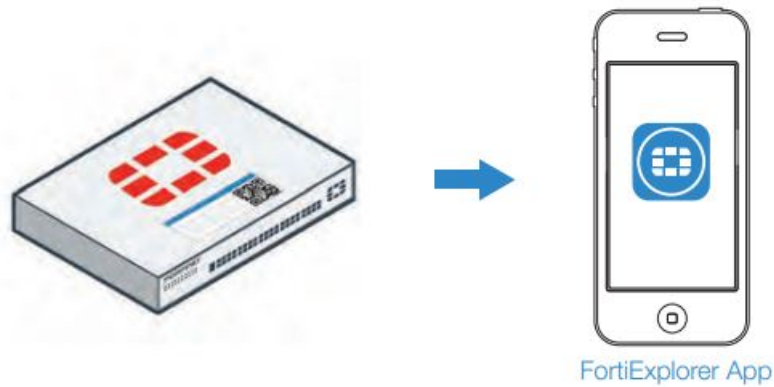
**Note:** To get a Fortinet account, register at [support.fortinet.com](https://support.fortinet.com)

## FortiExplorer

### Cloud Key Setup

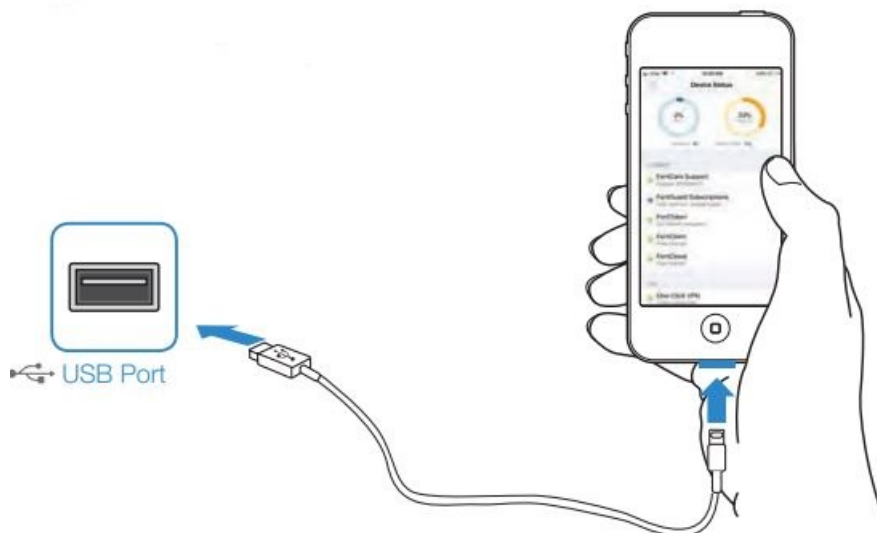
1. Download and launch the FortiExplorer iOS App
2. Tap Devices, then tap Add
3. Select FortiGate Cloud and log in using your Fortinet credentials
4. Scan the QR code on the Cloud Key
5. Log in to your device using username admin and no password
6. You can now configure your device



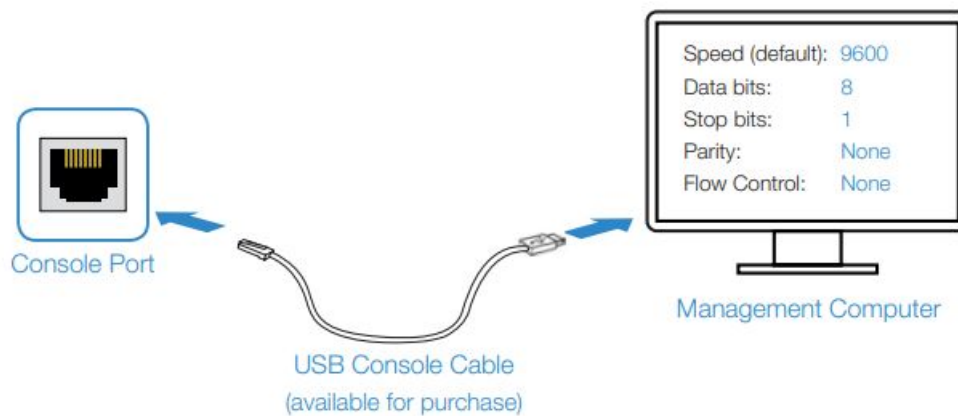


## USB Setup

1. Download and launch the FortiExplorer iOS App
2. Connect your Apple Lightning to USB cable to the FortiGate/FortiWiFi USB port
3. Tap your device when it appears in FortiExplorer
4. Log in using username admin and no password
5. You can now configure your device



## CLI



1. Connect the Console Port with a console cable to the Management Computer

2. Start a terminal program on the Management Computer and select an available COM Port using the following default settings:
  - Baud rate: 9600
  - Data bits: 8
  - Parity: None
  - Stop bits: 1
  - Flow control: None
3. Log in using username admin and no password
4. You can now configure your device

```
FortiGate # ?
config      Configure object.
get         Get dynamic and system information.
show        Show configuration.
diagnose    Diagnose facility.
execute     Execute static commands.
exit        Exit the CLI.

FortiGate # config ?
alertemail  Alert email configuration.
antivirus   AntiVirus configuration.
application Application control configuration.
client-reputation Client reputation tracking configuration
dlp         DLP configuration.
endpoint-control Endpoint control configuration.
firewall    Firewall configuration.
ftp-proxy   FTP proxy configuration.
gui         GUI configuration.
icap        ICAP client configuration.
imp2p       IM & P2P policy configuration.
ips         IPS configuration.
--More--
```

**Note:** Type ? for a list of commands. Type a command with ?, such as config ? to list the options. For advanced options, visit [support.fortinet.com](https://support.fortinet.com)

## Register for Free Licenses & Services

Simplify and leverage provisioning, management, and analytics with FortiGate Cloud's centralized administration. Extend online logs and analysis to 1 full year with a subscription.

## FortiGate Cloud 7 Days of Data Retention

Make remote access simple. Use [yourcompany.fortiddns.com](https://yourcompany.fortiddns.com) instead of a hard-to-remember IP address.

## 2 FortiToken Mobile Licenses

Enable two-factor authentication for remote access using mobile devices. Available for iOS and Android devices. Get extra tokens from your Fortinet reseller.

## Services with FortiCare Subscriptions

### Global 24/7 support for your Fortinet hardware & software

Get the latest product security updates and features. Stay with us and see the product evolve.

## Firmware Updates

Use cellphone technology as backup Internet connection. We are always adding support for new third party 3G/4G+ devices.

### USB Modem Database Updates

Set up policies and track activities based on geography. Your FortiGate will intelligently identify where an IP is originated or destined.

### Application Control Database Updates

Create policies to allow, deny, or restrict access to applications or entire categories of applications. You can use application control to keep malicious, risky, and unwanted applications out of your network.

### Device Signatures Database Updates

Identify device type and OS information. Great for organizations who want to enforce device-based policies so that employees can bring in their devices.

### Internet Service Database Updates

Internet service database objects consist of IP addresses, port numbers, and protocols used by Internet services. Simplify the management and control of cloud-based applications.

### Fortinet Bundled Services with FortiCare

Fortinet Bundled Services	360 Protection	Enterprise Protection	UTM	Threat Protection
FortiCare	ASE	24x7	24x7	24x7
FortiGuard App Control Service	✓	✓	✓	✓
FortiGuard IPS Service	✓	✓	✓	✓
FortiGuard Advanced Malware Protection (AMP)	✓	✓	✓	✓
FortiGuard Web Filtering Service	✓	✓	✓	
FortiGuard Anti-Spam Service	✓	✓	✓	
FortiGuard Security Rating Service	✓	✓		
FortiGuard Industrial Service	✓	✓		
FortiCASB SaaS-only Service	✓	✓		
FortiConverter Service	✓			
SD-WAN Cloud Assisted Monitoring	✓			
SD-WAN Overlay Controller VPN Service	✓			
FortiAnalyzer Cloud	✓			
FortiManager Cloud	✓			

### The Fortinet Security Fabric

#### Broad

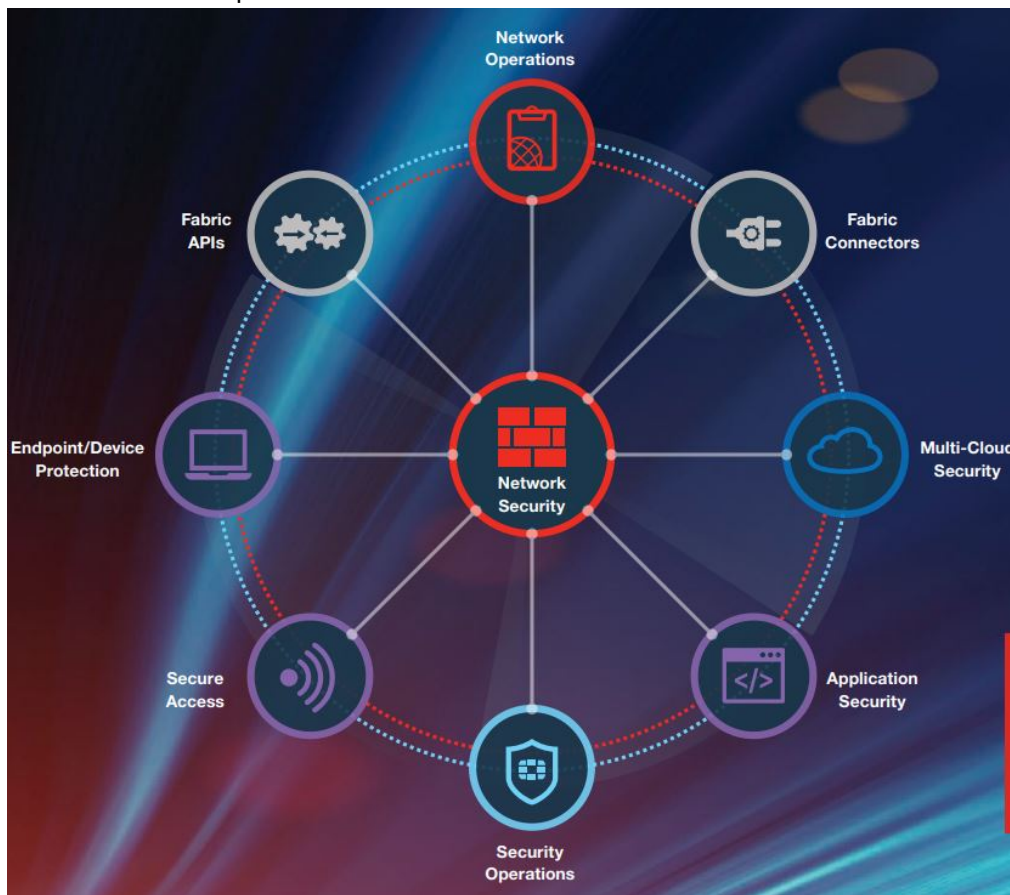
Visibility of the entire digital attack surface

#### Integrated

AI-driven breach prevention across all devices, networks, and applications

## Automated

Operations, orchestration and response



## FortiGate Security Fabric Integration

### Other Fabric Solutions

- A large, growing, and open ecosystem of partner integrations
- Fabric-Ready partners span a broad range of technologies
- Fabric Connectors provide deep integration into customers' multi-vendor ecosystems
- DevOps scripts automate security provisioning & configuration.

## Solution Spotlight: SecurSolution Spotlight: Secure SD-We SD-WANAN

NGFW with built-in, best-of-breed SD-WAN capability enables digital transformation at the enterprise branch.

### Products

- FortiGate NGFW (at FortiOS 5.6 & above)
- FortiManager

### Key Features

- Application-aware steering
- Automated WAN path intelligence
- Single-pane-of-glass management with zero-

## touch provisioning

- SD-WAN features include in base license

## Benefits

- High application performance
- Reduced WAN OPEX
- Safe Internet access for branch sites
- Reduced complexity, easier management

## Fortinet Security Processors

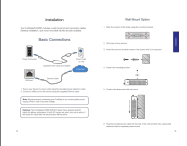
### Specialized chip design delivers more processing power

Fortinet's purpose-built architecture delivers extremely high throughput and exceptionally low latency. These purpose-built security processors radically boost performance and scalability to enable the fastest network security appliances available.








### Most Certified in the Industry

Fortinet is the only network security vendor to earn independent certifications across all core security technologies. Fortinet demonstrates our ability to consolidate multiple security technologies while still meeting the highest standards of performance and accuracy.

## Documents / Resources

	<b><a href="#">FORTINET 3417T0695A Network Security Gateway</a></b> [pdf] Installation Guide 3417T0695A, TVE-3417T0695A, TVE3417T0695A, 3417T0695A Network Security Gateway, Network Security Gateway, Security Gateway, Gateway
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## References

-  [FortiGate Cloud](#)
-  [Welcome](#)
-  [Fortinet Videos - What to Watch Product\\_blue Channel\\_Blue Playlist\\_blue](#)
-  [\\_yourcompany.fortiddns.com](#)
-  [FortiGate Cloud](#)
-  [FortiGuard](#)
-  [Welcome](#)