



FortiAuthenticator

Available in



Hardware
Appliance



Virtual
Machine



BYOL using
public cloud
providers



FortiAuthenticator
Cloud

FortiAuthenticator provides key services for creating effective security policies by ensuring that only authorized individuals can access sensitive networks and data. It helps transparently identify network users and enforce identity-driven policies within a Fortinet-enabled enterprise network. FortiAuthenticator offers seamless, secure multi-factor/OTP and FIDO passwordless authentication for various access protocols across an organization. It is available as a hardware appliance, a virtual machine for private and public cloud deployments, or as FortiAuthenticator-Cloud (formerly FortiTrust Identity), which is part of a SaaS-based cloud service.

Key features and capabilities of FortiAuthenticator include:

- **Authentication:** RADIUS authentication (including 802.1x, Dynamic VLAN, Change of Authorization), TACACS+ (Admin Authentication, Command Authorization), FSSO (Agent, Polling, Syslog, RSSO, WSSO, SSO Mobility Agent).
- **Single Sign-On (SSO):** SAML IdP, IdP Proxy, SSLVPN, integration with Google, AWS, Azure, and O365, OAuth2/OIDC Provider, and SCIM Provisioning.
- **Multi-Factor Authentication (MFA):** Supports FortiToken Mobile (FTM), FortiToken (FTK), FortiToken Cloud (FTC), SMS and Email OTP, FIDO Passwordless, and Adaptive Authentication.
- **Portals:** Captive Portal, Self-Registration and Guest portals, and Social Login.
- **PKI Certificate Management:** Manages Server certificates, User certificates, VPNs, SCEP, ZTNA, and CMPv2.
- **High Availability (HA):** Active Passive HA is supported for Appliance and VM deployments.
- **Load Balancing:** Supported for Appliance and VM deployments.

FUNCTIONAL AREA	FEATURE	FORTIAUTHENTICATOR APPLIANCE AND VM	FORTIAUTHENTICATOR CLOUD
RADIUS	VPN Authentication	✓	✓
	Admin Authentication	✓	✓
	802.1X	✓	✓
	Dynamic VLAN	✓	✓
	Change of Authorization	✓	✓
TACACS+	Admin Authentication	✓	N/A
	Command Authorization	✓	N/A
FSSO	FortiGate polling, Collector Agent support	✓	✓
	Syslog, RSSO, WSSO, etc	✓	✓
	FortiClient SSO Mobility Agent ¹	✓	✓
Single Sign-On	SAML IdP, IdP Proxy	✓	✓
	SSLVPN	✓	✓
	Google, AWS, Azure and O365 integration	✓	✓
	OAuth2/OIDC Provider	✓	✓
	SCIM Provisioning (client and server)	✓	✓
MFA	Fortiidentity Cloud ²	Add-on purchase	Included
	FortiToken Mobile (FTM) ³	✓	Included with Fortiidentity Cloud
	FortiToken (FTK) ⁴	✓	Included with Fortiidentity Cloud
	SMS and Email ⁵	✓	Included with Fortiidentity Cloud
	FIDO Passwordless ⁶	✓	✓
	Adaptive Authentication	✓	✓
	Windows Agent	✓	✓
	OWA Agent	✓	✓
Portals	Captive Portal	✓	✓
	Self-Registration and Guest	✓	✓
	Social Login	✓	✓
PKI Certificate Management	Server certificates	✓	✓
	User certificates	✓	✓
	VPNs, SCEP, ZTNA	✓	✓
	CMPv2	✓	✓
HA	Active Passive ⁷	✓	N/A
	Load Balancing ⁷	✓	N/A

¹ FortiClient SSO agent license purchased separately. See section "Other FortiAuthenticator Add-Ons" on page 4

² Fortiidentity Cloud user-based subscription can be used with FortiAuthenticator appliance and VM

^{3,4} Software and hardware tokens are purchased separately

^{3,4,5} FortiToken Mobile, FortiToken and SMS & email are available via Fortiidentity Cloud

⁵ FortiGuard SMS license needed (or use free third-party SMS gateway). If purchase FTM tokens, get 2 x No of Tokens FortiGuard SMS credits (must be used within one year)

⁶ FIDO FTK400 tokens are purchased separately

⁷ Separate license needed for each FortiAuthenticator VM



License Order Information

FORTIAUTHENTICATOR HARDWARE (F-SERIES MODELS)		
PRODUCT	SKU	DESCRIPTION
BASE USER LICENSE		
FortiAuthenticator 300F	FAC-300F	4x GE RJ45 ports, 2x 1 TB HDD. Base License supports up to 1500 users. Expand user support to 3500 users by using FortiAuthenticator Hardware Upgrade License.
FortiAuthenticator 800F	FAC-800F	4x GE RJ45 ports, 2x GE SFP, 2x 2 TB HDD. Base license supports up to 8000 users. Expand user support to 18 000 users by using FortiAuthenticator Hardware Upgrade License.
FortiAuthenticator 3000F	FAC-3000F	4x GE RJ45 ports, 2x 10GE SPF, 2x 2TB SAS Drive. Base License supports up to 40 000 users. Expand user support to 240 000 users by using FortiAuthenticator Hardware Upgrade License.
USER UPGRADE LICENSE		
Hardware Upgrade licenses for FAC-300F, FAC-800F, and FAC-3000F	FAC-HW-100UG	FortiAuthenticator 300F, 800F, 3000E, or 3000F, 100 user upgrade.
	FAC-HW-1000UG	FortiAuthenticator 300F, 800F, 3000E, or 3000F, 1000 user upgrade.
	FAC-HW-10KUG	FortiAuthenticator 800F, 3000E, or 3000F, 10 000 user upgrade.
	FAC-HW-100KUG	FortiAuthenticator 3000F, 100 000 user upgrade.

User upgrade licenses are stackable. For example:

FAC-300F supporting 1500 users in base license and upgrading with 2 x 100UG to support total of 1500 + 200 users = 1700 users in total

Base and Upper Limit for HW Models

For hardware model please find the base and upper limit for number of users supported.

FAC H/W MODEL	BASE LICENSE USER LIMIT	UPGRADE UPPER LIMIT
300F	1500	3500
800F	8000	18000
3000F	40000	240000

FORTIAUTHENTICATOR VIRTUAL MACHINE		
PRODUCT	SKU	DESCRIPTION
SUBSCRIPTION (PER USER LICENSE)		
FortiAuthenticator - VM Subscription (Available in v8.0 FortiAuthenticator ETA Q3 2025)	FC1-10-ACVMS-1268-02-DD	FortiAuthenticator VM Subscription for 100-999 Users, with FortiCare Elite Support*
	FC2-10-ACVMS-1268-02-DD	FortiAuthenticator VM Subscription for 1000-99,999 Users, with FortiCare Elite Support*
	FC3-10-ACVMS-1268-02-DD	FortiAuthenticator VM Subscription for 100,000 Users, with FortiCare Elite Support*
PERPETUAL WITH ADDITIONAL USER LICENSE		
FortiAuthenticator-VM License	FAC-VM-Base	VM Base License supports 100 users. Expand user support to 1 million plus users by using FortiAuthenticator VM Upgrade License.
	FAC-VM-100-UG	FortiAuthenticator-VM 100 user license upgrade.
	FAC-VM-1000-UG	FortiAuthenticator-VM 1000 user license upgrade.
	FAC-VM-10000-UG	FortiAuthenticator-VM 10 000 user license upgrade.
	FC1-10-0ACVM-248-02-DD**	1 Year 24x7 FortiCare Contract (1-500 users).
	FC2-10-0ACVM-248-02-DD**	1 Year 24x7 FortiCare Contract (1-1100 users).
	FC3-10-0ACVM-248-02-DD**	1 Year 24x7 FortiCare Contract (1-5100 users).
	FC4-10-0ACVM-248-02-DD**	1 Year 24x7 FortiCare Contract (1-10 100 users).
	FC8-10-0ACVM-248-02-DD**	1 Year 24x7 FortiCare Contract (1-25 100 users).
	FC5-10-0ACVM-248-02-DD**	1 Year 24x7 FortiCare Contract (1-50 100 users).
	FC6-10-0ACVM-248-02-DD**	1 Year 24x7 FortiCare Contract (1-100 100 users).
	FC9-10-0ACVM-248-02-DD**	1 Year 24x7 FortiCare Contract (1-500 100 users).
	FC7-10-0ACVM-248-02-DD**	1 Year 24x7 FortiCare Contract (1-1M users).

*FortiCare Elite provides better response time. Please refer to <https://www.fortinet.com/content/dam/fortinet/assets/solution-guides/sb-forticare-services.pdf>

**DD specifies the number of years e.g. 1, 3 or 5 years of support

FAC-VM licenses are stackable. Support contracts can be co-termed. FAC-VM HA nodes require separate licensing.



FORTIAUTHENTICATOR CLOUD		
PRODUCT	SKU	DESCRIPTION
SUBSCRIPTION (PER USER LICENSE)		
FortiAuthenticator Cloud	FC2-10-ACCLD-511-02-DD*	Cloud-managed Identity User Subscription including FortiCare Premium Support for 100-499 Users.
	FC3-10-ACCLD-511-02-DD*	Cloud-managed Identity User Subscription including FortiCare Premium Support for 500-1,999 Users.
	FC4-10-ACCLD-511-02-DD*	Cloud-managed Identity User Subscription including FortiCare Premium Support for 2,000-9,999 Users.
	FC5-10-ACCLD-511-02-DD*	Cloud-managed Identity User Subscription including FortiCare Premium Support for 10,000+ Users.

*DD specifies the number of years e.g. 1, 3 or 5 years of support

Other FortiAuthenticator Add-Ons

FortiClient SSO mobility agent license enables FortiClient Single-Sign-On (SSO) to communicate to FortiAuthenticator on username/IP changes, so that they can be used in FortiGate user group based policy if required.

FORTICLIENT SSO MOBILITY AGENT		
PRODUCT	SKU	DESCRIPTION
FortiClient SSO License for FortiAuthenticator	FCC-FAC2K-LIC	FortiAuthenticator FortiClient SSO Mobility License for 2000 FortiClient connections (does not include FortiClient Endpoint Control License for FortiGate)
	FCC-FAC10K-LIC	FortiAuthenticator FortiClient SSO Mobility License for 10 000 FortiClient connections (does not include FortiClient Endpoint Control License for FortiGate)
	FCC-FACUNL-LIC	FortiAuthenticator FortiClient SSO Mobility License for unlimited FortiClient connections (does not include FortiClient Endpoint Control License for FortiGate)

Stackable license. FAC HA nodes require separate licensing.

For additional FortiTokens/FortiSMS add-ons to FortiAuthenticator or FortiAuthenticator Cloud please refer to FortiToken order guide here: <https://www.fortinet.com/content/dam/fortinet/assets/data-sheets/og-fortitoken.pdf>

FORTIGUARD SMS		
PRODUCT	SKU	DESCRIPTION
FortiSMS	SMS-ELIC-100	License for 100 SMS text messages.

License is stackable. Customer has option to use a third-party SMS gateway (Bring Your Own SMS). SMS SKUs for FortiToken Cloud cannot be applied to FortiAuthenticator SMS.
FAC HA nodes require separate licensing.



Maximum Values in Relation to License

There are different object limits within FortiAuthenticator which is related to the user license account. A general rule of thumb is that the maximum values, such as the User Groups, will be a factor of the user license limit. For example, 100 user licenses will provide $100/5 = 20$ user groups. Please consider carefully the use cases for license purchase.

For the full limit table, see the [FortiAuthenticator Release Notes](#).

MAXIMUM VALUES FOR	BASE VM	BASE 300F	BASE 800F	BASE 3000F
Users (local and remote)	100	1500	8000	40000
FortiTokens (purchase separately)	200 Number of users x 2	3000	16000	80000
FortiToken Mobile Licenses (purchase separately)	200	200	200	200
User Groups	20 Number of users / 5	300	1600	8000
SSO Users	100 Same as number of users	1500	8000	200000
Guest Users	100 Same as number of users	1500	8000	200000
Social Users	100 Same as number of users	1500	8000	200000
Device (MAC-based Auth.)	500 Number of users x 5	7500	40000	200000
Auth Clients (RADIUS and TACACS+)	33 Number of users / 3	500	2666	13333
Remote LDAP Servers	4 Number of users / 25	60	320	1600
Remote RADIUS Servers	4 Number of users / 25	60	320	1600
Remote SAML Servers	4 Number of users / 25	60	320	1600
Remote OAuth Servers	4 Number of users / 25	60	320	1600
User Certificates	500 Number of users x 5	7500	40000	200000
Server Certificates	10 Number of users / 10	150	800	4000
TACACS+ Services	10 Number of users / 10	150	800	4000
TACACS+ Service Attribute-value Pairs	2550 Number of services * 255	38250	204000	1020000



Sample Bill of Materials (BOM)

A customer wants to buy FortiAuthenticator. They have 5700 users but only half of their users use FortiToken Mobile Tokens, so, 2850 FTM Tokens. They also want to use the SSO Mobility Agent for all users. They would like to see pricing for both VM and Hardware to evaluate for their decision. They also want to know what it would look like to add HA. They don't know if they are going to do Active/Passive or Active/Active (Load Balancing) yet, but that does not matter since the licensing will still be the same. Each FAC node in HA cluster needs its own support. Support contracts cannot be split among cluster members.

Standalone VM:

- 1 x FAC-VM-BASE
- 6 x FAC-VM-1000-UG
- 1 x FTM-ELIC-2000
- 1 x FTM-ELIC-1000 (This will give them 150 extra tokens for headroom and is much more cost effective)
- 1 x FCC-FAC10K-LIC (For SSOMA)
- 1 x FC4-10-OACVM-248-02 (FortiCare Premium Support for up to 10100 USERS)

Standalone Hardware:

- 1 x FAC-800F (8000 users)
- 1 x FTM-ELIC-2000
- 1 x FTM-ELIC-1000 (This will give them 150 extra tokens for headroom and is much more cost effective)
- 1 x FCC-FAC10K-LIC (For SSOMA)
- 1 x FC-10-AC8HF-247-02

VM HA: (One A/A or A/P node for redundancy)

- 2 x FAC-VM-BASE
- 12 x FAC-VM-1000-UG
- 2 x FCC-FAC10K-LIC (For SSOMA)
- 1 x FTM-ELIC-2000 (FTM licenses are replicated across HA cluster members so don't need to duplicate)
- 1 x FTM-ELIC-1000
- 2 x FC4-10-OACVM-248-02 (FortiCare Premium Support for up to 10100 USERS)

HA Hardware:

- 2 x FAC-800F (8K User limit)
- 2 x FCC-FAC10K-LIC (For SSOMA)
- 1 x FTM-ELIC-2000
- 1 x FTM-ELIC-1000 (This will give them 150 extra tokens for headroom and is much more cost effective)
- 2 x FC-10-AC8HF-247-02



Fortinet Training and Certification

FCP – FortiAuthenticator Administrator Training and Certification

Learn how to use FortiAuthenticator for secure authentication and identity management, configure and deploy FortiAuthenticator, use FortiAuthenticator for certificate management and two-factor authentication, authenticate users using LDAP and RADIUS servers, and explore SAML SSO options on FortiAuthenticator.

Course Details

For prerequisites, agenda topics, and learning objectives, visit:

https://training.fortinet.com/local/staticpage/view.php?page=library_fortiauthenticator-administrator

Training Offering

For training SKUs, purchasing, and delivery options, visit:

https://training.fortinet.com/local/staticpage/view.php?page=purchasing_process



Frequently Asked Questions

Can I purchase FortiAuthenticator-Cloud separately?

No. FortiAuthenticator-Cloud is only available with a FortiTrust Identity subscription. See the FortiTrust Ordering Guide for details.

Is it possible to purchase a license for 3000 users and split it between two FortiAuthenticators with 1500 users each?

No. The FAC user licenses are tied to their respective FortiAuthenticators; such a configuration is not possible.

Do I need an additional FTM license for an FAC HA node (either Active Passive or Active-Active Load Balancing)?

No. The FTM license is replicated across all HA nodes.

Can I use the standalone FortiToken Cloud SMS license (FTC-SMS-xxx) on FortiAuthenticator?

No. You can use the FortiGuard SMS license or configure FortiAuthenticator to use a third-party SMS provider. If you are using FortiAuthenticator-Cloud, which is part of the FortiTrust Identity subscription, you will receive SMS credits included with that subscription.

