F:RTINET.

FortiAuthenticator

Available in

| Hardware Appliance | Virtual Machine | BYOL using public cloud providers | FortiAuthenticator-Cloud (FortiTrust Identity) |

Many of the most damaging breaches have been accomplished through unauthorized users gaining access to a network or inappropriate levels of access granted to valid users. FortiAuthenticator provides services which are key in creating effective security policy, strengthening security by ensuring only the right person at the right time can access your sensitive networks and data.

FortiAuthenticator can transparently identify network users and enforce identity-driven policy on a Fortinet-enabled enterprise network. It provides seamless secure multi-factor/OTP and FIDO passwordless authentication for many access protocols across the organization. Other features include:

- Certificate management for enterprise wireless and VPN deployment
- Guest management for wired and wireless network security
- Single Sign-On capabilities for both internal and cloud networks

This ordering guide will help you choose the right solution for your customer. FortiAuthenticator is offered as a hardware appliance, a virtual machine for private and public cloud deployments, or as FortiAuthenticator-Cloud which is part of a SaaS-based cloud service (FortiTrust Identity).

FUNCTIONAL AREA	FEATURE	APPLIANCE AND VM	AVAILABLE IN FORTIAUTHENTICATOR-CLOUD
RADIUS	VPN Authentication	✓	✓
	Admin Authentication	✓	✓
	802.1X	✓	✓
	Dynamic VLAN	✓	✓
	Change of Authorization	✓	✓
TACACS+	Admin Authentication	✓	N/A
	Command Authorization	✓	N/A
FSSO	Agent, Polling	✓	✓
	Syslog, RSSO, WSSO, etc	✓	✓
	SSO Mobility Agent	✓	✓
Single Sign-On	SAML IdP, IdP Proxy	✓	✓
	SSLVPN	✓	✓
	Google, AWS, Azure and O365 integration	✓	✓
	OAuth2/OIDC Provider	✓	✓
	SCIM Provisioning (client and server)	✓	✓
MFA	FortiToken Mobile (FTM)[1]	✓	✓
	FortiToken (FTK)[2]	✓	✓
	FortiToken Cloud (FTC)[3]	✓	✓
	SMS and Email[4]	✓	✓
	FIDO Passwordless[5]	✓	✓
	Adaptive Authentication[6]	✓	✓
	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 On appliances and VM, included FortiTrust Identity
2 FTK requires separate hardware purchase
3 Included with FortiTrust Identity subscription
4 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)
5 FTK400 is separate purchase (or bring your own FIDO authenticator)
6 Enhanced Adaptive Auth for appliances and VM requires FTC, included with FortiTrust Identity
7 Separate license (except for FTM) needed for HA nodes

LICENSE ORDER INFORMATION

FORTIAUTHENTICATOR HARDWARE (F-SERIES MODELS)

PRODUCT	SKU	DESCRIPTION
BASE USER LICENSE		
FortiAuthenticator 300F	FAC-300F	4x GE RJ45 ports, 2× 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, 2× 10GE SPF, 2× 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. FortiAuthenticator HW model Support contracts (not shown) are not stackable. FAC HW HA nodes require separate licensing.

FORTIAUTHENTICATOR VIRTUAL MACHINE

PRODUCT	SKU	DESCRIPTION
Base License and Additional User License		
FortiAuthenticator-VM License	FAC-VM-Base	VM Base License supports 100 users. Exapnd user support to 1 million plus users by using FortiAu-thenticator 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-248-02-12	1 Year 24×7 FortiCare Contract (1-500 users).
	FC2-10-0ACVM-248-02-12	1 Year 24×7 FortiCare Contract (1-1100 users).
	FC3-10-0ACVM-248-02-12	1 Year 24×7 FortiCare Contract (1-5100 users).
	FC4-10-0ACVM-248-02-12	1 Year 24×7 FortiCare Contract (1-10 100 users).
	FC8-10-0ACVM-248-02-12	1 Year 24×7 FortiCare Contract (1-25 100 users).
	FC5-10-0ACVM-248-02-12	1 Year 24×7 FortiCare Contract (1-50 100 users).
	FC6-10-0ACVM-248-02-12	1 Year 24×7 FortiCare Contract (1-100 100 users).
	FC9-10-0ACVM-248-02-12	1 Year 24×7 FortiCare Contract (1-500 100 users).
	FC7-10-0ACVM-248-02-12	1 Year 24×7 FortiCare Contract (1-1M users).

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

LICENSE ORDER INFORMATION

All VM model limits are scaled based on 'Users' quota for VM license.

HW model limits are based on respective base license limit.

For the full limit table, see the FortiAuthenticator Release Notes.

OBJECT NAME (6.4 BUILD 1043)	BASE VM	BASE 300F	BASE 800F	BASE 3000F
Users (local and remote)	100	1500	8000	40000
FortiTokens	200 Number of users x 2	3000	16000	80000
FortiToken Mobile Licenses	200	200	200	200
User Groups	10 Number of users / 10	150	800	4000
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

BASE AND UPPER LIMIT FOR HW MODELS

User upgrade licenses can be applied to both VM and HW models and are stackable.

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

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.

FORTITOKEN MOBILE

PRODUCT	SKU	DESCRIPTION
FortiToken Mobile (Electronic License)	FTM-ELIC-5	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 5 users. Electronic license certificate.
	FTM-ELIC-10	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 10 users. Electronic license certificate.
	FTM-ELIC-25	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 25 users. Electronic license certificate.
	FTM-ELIC-50	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 50 users. Electronic license certificate.
	FTM-ELIC-100	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 100 users. Electronic license certificate.
	FTM-ELIC-200	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 200 users. Electronic license certificate.
	FTM-ELIC-500	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 500 users. Electronic license certificate.
	FTM-ELIC-1000	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 1000 users. Electronic license certificate.
	FTM-ELIC-2000	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 2000 users. Electronic license certificate.
	FTM-ELIC-5000	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 5000 users. Electronic license certificate.
	FTM-ELIC-10000	Software one-time password tokens for iOS, Android, and Windows Phone mobile devices. Perpetual licenses for 10000 users. Electronic license certificate.

Stackable. These licenses do not need to be registered on HA nodes, they are replicated from the primary node. Refer to the FortiToken Ordering Guide for more details.

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.

FORTINET TRAINING AND CERTIFICATION

FCP – FortiAuthenticator Administrator Training and Certification

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

Course Description

For more information about prerequisites, agenda topics and learning objectives, please refer to the course description at https://training.fortinet.com/local/staticpage/view.php?page=library_fortiauthenticator-administrator.

Ordering Information

SKU	DESCRIPTION
FT-FAC	Instructor-led Training – 3 full days or 4 half days
FT-FAC-LAB	On-demand Labs in self-paced
NSE-EX-FTE2	Certification Exam

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 FC4-10-0ACVM-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 FC4-10-0ACVM-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

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.

Visit www.fortinet.com for more details

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