AhnLab EPS

Optimized Protection for Fixed Function Systems

Ensure System Availability with Lightweight Agent
Prevent Malware Infiltration through Lock Mode

AhnLab EPS (Endpoint Protection System) is an optimized security solution for fixed function systems, which only allows execution of authorized applications and predefined processes. AhnLab EPS secures system stability of various fixed function systems, such as Industrial Control Systems (ICS), Point of Sale (POS) Terminals, KIOSKs, and ATMs.

- Ensures Stability
- Minimizes Downtime
- Minimizes System Resource Usage
- Enables Application Control
- Supports Various Environments

Highlights

Whitelist-based Lock Mode

- Enables effective security operation with 3-level Lock Modes
- Provides enhanced protection with Lockdown functions, including blocking file creation, deletion, alteration, and execution.

Malware Detection and Protection Ensuring System Availability

- Minimizes the impact on system resources with a lightweight agent
- Ensures stable and comprehensive detection with exclusive engine
- Blocks and deletes the detected malicious files

Various Options to Prevent Threats

- Prevents execution of blacklisted programs
- Blocks access to important setting changes within the system
- Blocks targeted network attacks with Host-based Firewalls
- Provides media control for USB, CD/DVD, and Bluetooth devices

Easy and Comprehensive Management and Monitoring of EPS Clients

- Enables enhanced monitoring in real-time via a single dashboard
- Provides comprehensive policy management of EPS clients on various OS device
- Provides remote control for clients to enhance management and maintenance

Safe and Reliable system operation

- Has a Server(AhnLab EPS Server) with a reliable dedicated engine and Ultra-Light Agent(AhnLab EPS Client)
- Minimizes system source occupancy and creates a robust security framework centered on availability

Highlights

AhnLab EPS provides “3-Level Lock Modes” to deliver efficient operation for fixed function systems. In other words, AhnLab EPS is able to efficiently manage security policies and optimize system setting while ensuring system stability via Unlock Mode, Lock Test Mode, and Lock Mode.

Unlock Mode

- Initial status of system when EPS is first installed
- Mode for system changes and repair/maintenance work

Lock Test Mode

- Policy setting stage before changing into Lock Mode
- Lockdown simulation
- Check stability and define exceptions

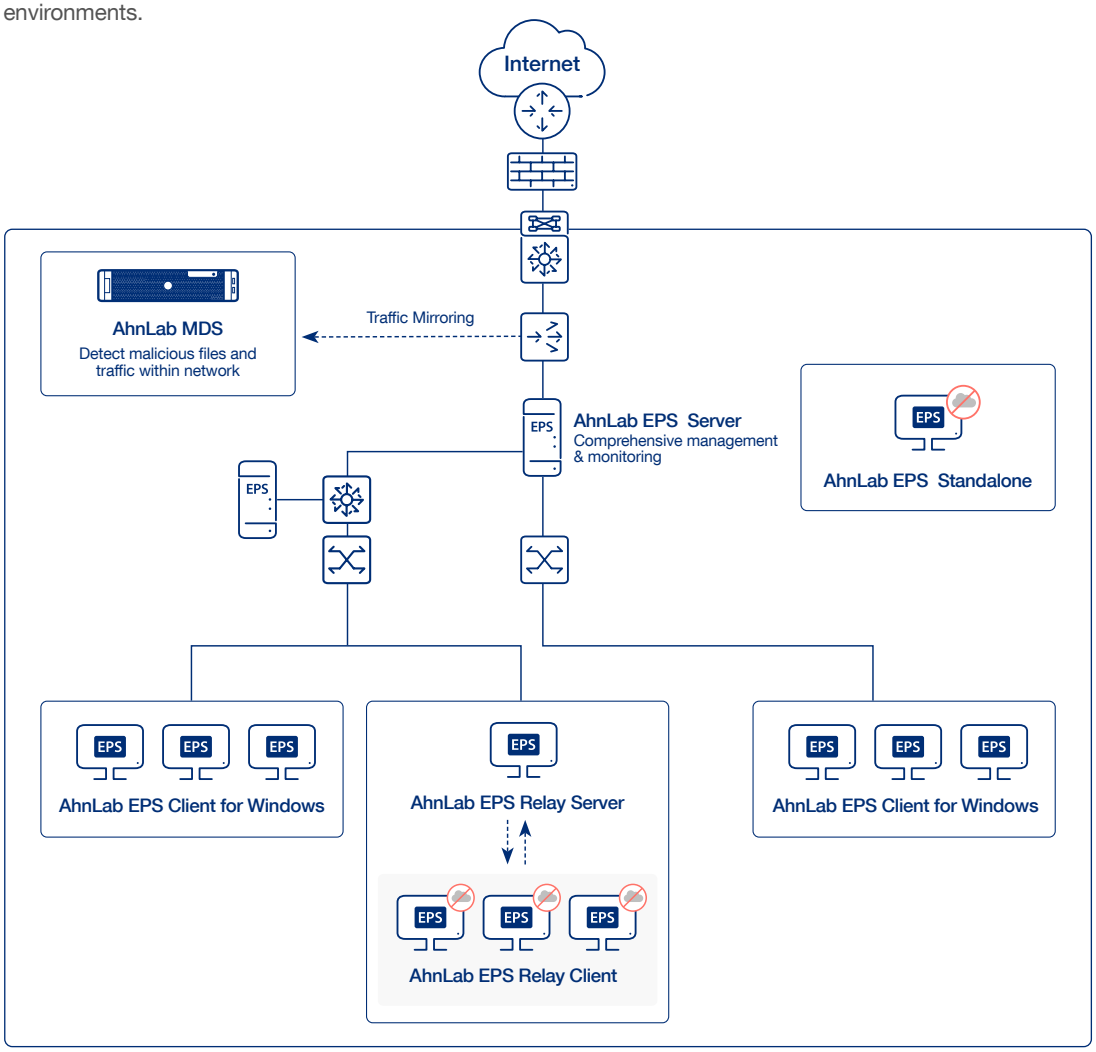
Lock Mode

- Lockdown applied
- All file or program creation, deletion, alteration, and execution are blocked unless authorized or whitelisted
- Block based on security policies

Emergency Check Mode
(Maintains Certain Block Policies)

Deployment

AhnLab EPS is provided in both ‘Server-Client Type (Managed Type)’ and ‘Standalone Type’ for various environments.



Main Functions

1. Server-Client Type (Managed Type)

Server-Client Type consists of a lightweight agent (EPS Client) installed on the terminal system, and a server (EPS Server) for centralized monitoring and policy management to ensure operational stability for fixed function systems.

Centralized security management of terminals is possible by applying a relay server and a relay client in an independent network environment where direct communication with EPS Server is not possible such as multiple PC-integrated facilities.

		Main Function
Server	AhnLab EPS Server	· Policy integration management and integrated monitoring performed by clients, a relay server, and a relay client.
Client	AhnLab EPS Client for Windows	· Windows OS-based terminal protection · Lockdown, media control, system change block, firewall, network attack detection, malicious code scanning
	AhnLab EPS Client for Linux	· Linux OS-based terminal protection · Lockdown, system change block, malicious code scanning
Relay server	AhnLab EPS Relay Server for Windows	· Relay communication between EPS Relay Client and EPS Server · Lockdown, media control, system change block, firewall, network attack detection, malicious code scanning
Relay client	AhnLab EPS Relay Client for Windows	· Security for terminals in the environment where direct communication with EPS server is not possible. · Lockdown, media control, system change block, firewall, network attack detection

2. Standalone Type

Standalone Type protects fixed function systems that operate offline through a standalone agent.

	Main Function
AhnLab EPS Standalone	· Windows OS-based offline terminal protection · Setting management policy, Log saving and searching · Lockdown, media control

System Requirements

1. Server-Client Type (Managed Type)

AhnLab EPS Server

		System Requirements
Hardware	CPU	Intel®Xeon®Processor E5 Family (8 or more, 3GHz or more, 8MB Cache or more)
	Memory	16GB
	HDD	OS: 300GB x 2 (RAID 1) or more DATA: 1TB or more (RAID type recommended)
OS		RHEL 7.9(64 bit)
Console Browser		Internet Explorer 8.0 or higher

* Maximum of 8,000 agents recommended

AhnLab EPS Client for Windows

		System Requirements
Hardware	CPU	Pentium 133MHz or more
OS	Embedded OS	Windows Embedded XP / Standard 2009 / Standard 7 / POSReady 2009 / POSReady 7 / 8.1 Industry(Pro, Enterprise)
	Client OS	Windows 2000 Professional / XP(Home, Professional) / Vista(Enterprise, Ultimate) / 7(Professional, Enterprise, Ultimate) / 8, 8.1(Professional, Enterprise) / 10(Professional, Enterprise) / 11(Professional, Enterprise)
	Server OS	Windows 2000 Server / Windows 2000 Advanced Server / Windows Server 2003(Standard, Enterprise) / 2008(Standard, Enterprise) / 2012(Essentials, Standard) / 2016(Essentials, Standard) / 2019(Essentials, Standard) / 2022(Essentials, Standard)

* Supports both 32-bit and 64-bit versions for the OS above

AhnLab EPS Relay Server, AhnLab EPS Relay Client

		System Requirements
Hardware	CPU	Pentium 133Mhz or more
	Memory	15MB or more
	HDD	100MB or more
OS	Embedded OS	Windows Embedded Standard 7 SP1 *KB4490628, KB4474419 patches applied / 8.1 Industry(Professional, Enterprise) / 10 IoT Enterprise
	Client OS	Windows 7 SP1(Professional, Enterprise, Ultimate) *KB4490628, KB4474419 patches applied / 8(Professional, Enterprise) / 8.1(Professional, Enterprise) / 10(Professional, Enterprise) / 11(Professional, Enterprise)
	Server OS	Windows Server 2008 SP2(Standard, Enterprise) *KB4493730, KB4474419 patches applied / 2008 R2 SP1(Standard, Enterprise) *KB4490628, KB4474419 patches applied / 2012(Essentials, Standard) / 2012 R2(Essentials, Standard) / 2016(Essentials, Standard) / 2019(Essentials, Standard) / 2022(Essentials, Standard)

* Supports both 32-bit and 64-bit versions for the OS above

AhnLab EPS Client for Linux

	System Requirements
Hardware(CPU)	Intel Family(32/64 bit)
OS	CentOS 3.3 ~ 8.1 / Red Hat Enterprise Linux 3.3 ~ 8.1 / Red Hat Linux 9 / antiX Linux 13.2, 15, 16.2, 17.2 / Ubuntu 10.04, 11.04, 11.10, 12.04, 14.04, 18.04 / Ruby Duck release 5.6(Marcy 5.1) / SUSE Linux 9.2 / Fedora 8, 14

2. Standalone Type

AhnLab EPS Standalone

		System Requirements
Hardware	CPU	Pentium 233MHz or more
	Memory	64MB or more
	HDD	1.5GB or more
OS	Embedded OS	Windows Embedded Standard 2009 / Standard 7 / POSReady 2009 / POSReady 7 / 8.1 Industry(Pro, Enterprise)
	Client OS	Windows XP SP3(Home, Professional) / Vista(Enterprise, Ultimate) / 7(Professional, Enterprise, Ultimate) / 8, 8.1(Pro, Enterprise) / 10(Pro, Enterprise) / 11(Professional, Enterprise)
	Server OS	Windows Server 2008(Standard, Enterprise) / 2012(Essentials, Standard) / 2016 (Essentials, Standard)

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About AhnLab

AhnLab creates agile, integrated internet security solutions for corporate organizations. Founded in 1995, AhnLab, a leader in cyber threat analysis, delivers comprehensive protection for endpoints, networks, transactions, and essential services. AhnLab delivers best-of-breed threat prevention that scales easily for high-speed networks, by combining cloud analysis with endpoint and server resources. AhnLab's multidimensional approach combines with exceptional service to create truly global protection against attacks that evade traditional security defenses. That's why more than 25,000 organizations rely on AhnLab's award-winning products and services to make the internet safe and reliable for their business operations.

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