EnGenius

Datasheet

ECW Access Points
ECS Network Switches
EWS-FIT AP & Switches

EnGenius EPC Management

On-premises Management With Cloud Capability





EnGenius Private Cloud (EPC) is an on-premises network management solution that offers cloud-like flexibility and advanced features while ensuring data control remains within the organization. Designed for IT managers seeking advanced features, scalability, and customization, EPC is ideal for enterprises requiring data autonomy, multi-network management, and robust security in a single, powerful platform.

- Control data within the organization
- Scalable up to 3,000 devices per server
- Multi-tenancy support
- Comprehensive license management
- Seamless integration with EnGenius Cloud
- Docker-based deployment flexibility
- Cost-efficient with reduced cloud dependency
- Online status monitoring
- Advanced failover and redundancy options
- Robust security and compliance

Key Benefits for Enterprises

On-Premises Hybrid Architecture

The on-premises solution enhances security and compliance by keeping data on-site. Its customizable, scalable architecture adapts to network changes while seamlessly integrating with existing IT systems to optimize investments and improve network capabilities.

Advanced Management Capabilities

Including online monitoring for proactive network optimization, granular control for precise configurations, and multi-tenancy for efficient client management. Intelligent automation and alerts enhance operational efficiency by notifying administrators of abnormal network activities.

Cost-Efficient and Future-Proof

EPC minimizes the total cost of ownership by reducing cloud service dependency and enabling remote management. Its scalable architecture accommodates growth without major investments and ensures future readiness with ongoing updates to meet evolving technology standards.

Architecture and Deployment

Solution Positioning and Comparison with EnGenius Cloud

EnGenius Private Cloud offers powerful local control and cloud-enhanced capabilities, maintaining stringent data security and compliance standards. Unlike the public cloud-based EnGenius Cloud, EPC ensures data privacy and autonomy through secure on-premises management, giving businesses full control and significantly reducing the risk of data breaches.

Public Cloud

EnGenius Cloud (EC)

- Unlimited Org, multi-tenancy
- Unlimited networks / devices
- Admin (Basic: 10-network; Pro-unlimited)
- Web / App / REST API (Pro) management
- Free for basic, license for advanced features

On-Premises

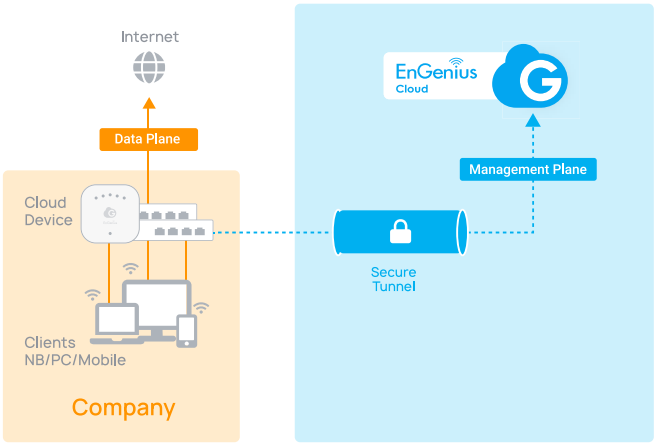
EnGenius Private Cloud (EPC)

- Unlimited Org, multi-tenancy
- Unlimited networks / ‹ 3000* devices per server
- Admin:100/EPC
- Web / REST API (Pro, future) management
- Free for basic, license for advanced features

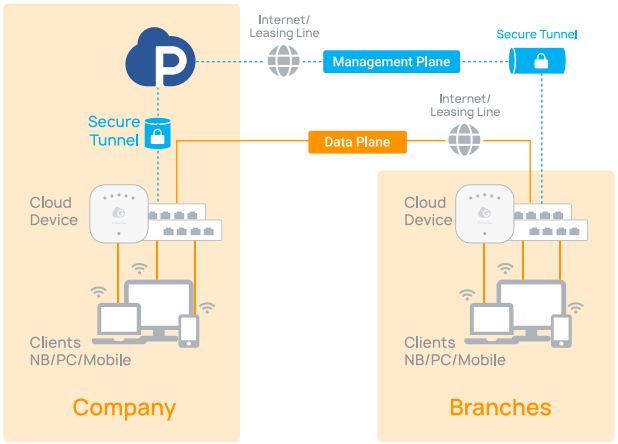
* Target to extend to 10K devices per server/VM in the future.

Safeguard Privacy and Enhanced Reliability

While neither EnGenius Cloud (EC) nor EnGenius Private Cloud (EPC) interacts with the data planes of end-user networks, EPC offers enhanced security and privacy for sensitive information on the management plane, including user accounts, customer data, and network statistics. Unlike cloud management, which depends on internet connectivity, EPC allows users to deploy controllers and devices in fully controlled environments, minimizing the risk of network issues and providing greater reliability.



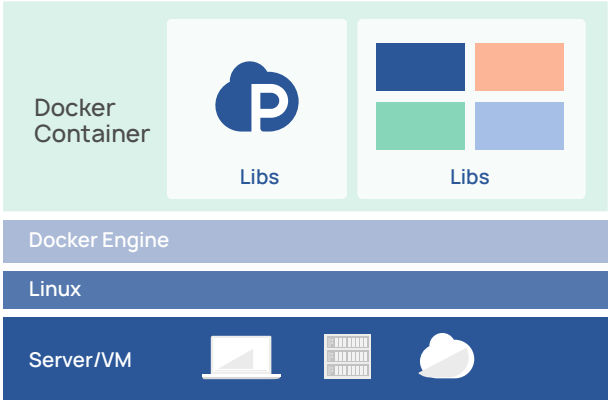
EnGenius Cloud



EnGenius Private Cloud

Docker-based Design for Deployment

EPC utilizes a Docker-based deployment design, simplifying the installation process and enabling quick updates. Docker containers encapsulate applications and their requirements, ensuring consistent and effective deployment across different environments. This resource-efficient approach ensures that organizations can maximize their hardware investments by running multiple applications concurrently, without compromising performance.



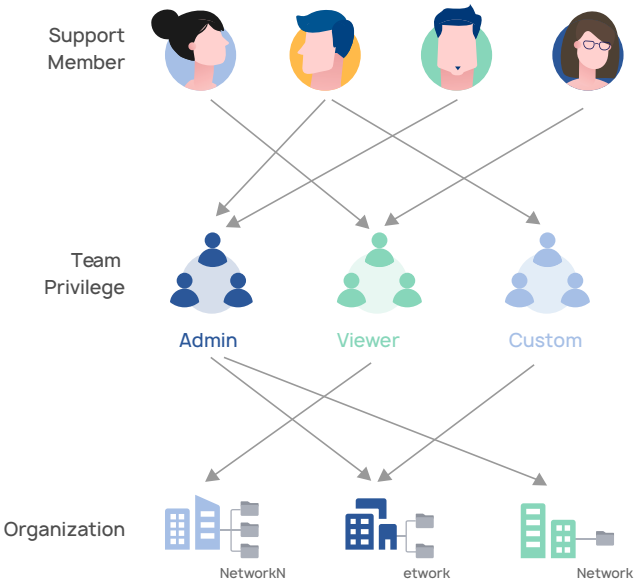
Configuration and Management

Unlimited Organization Support

EPC allows administrators to oversee and control numerous networks from a single, unified platform. This centralized approach significantly streamlines management processes, reducing the time and effort required to maintain multiple network infrastructures.

Multi-Tenancy Support

EPC is purpose-built for IT professionals who need to efficiently manage multiple clients, departments, or business units across diverse locations, all within a single cohesive platform. With EPC's multi-tenancy features, administrators can easily allocate resources, apply specific policies, and customize each tenant's network settings while maintaining centralized control. This approach enhances operational efficiency by reducing the need for redundant systems and enabling seamless management of complex network environments.



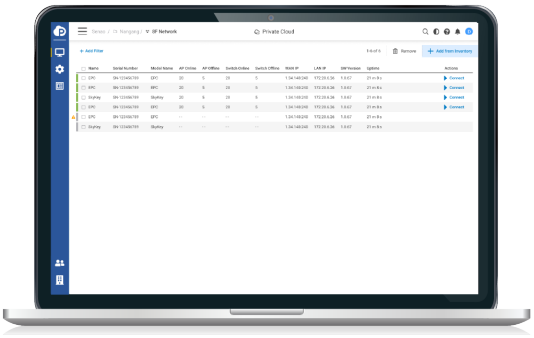
Manage Up to 3,000 Devices per Server

EPC provides a scalable solution that can grow with an organization's needs. This scalability extends across networks, allowing consistent management practices and policies to be applied across diverse network environments, whether in different geographical locations or serving distinct organizational functions.

Integration with EnGenius Cloud

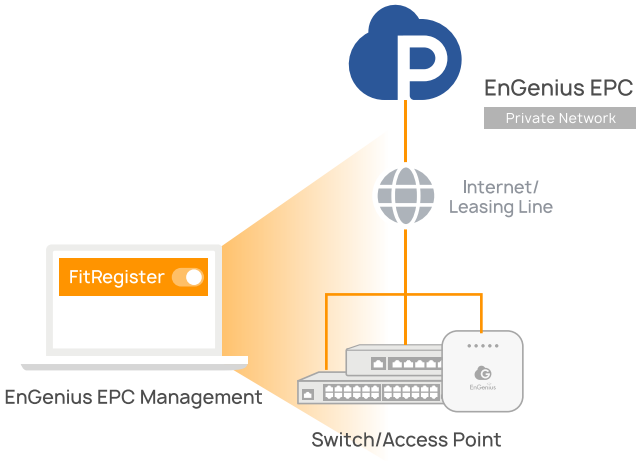
The EPC platform's integration with EnGenius Cloud provides real-time synchronization of settings and centralized control across all network environments. This hybrid approach provides flexibility in network design and management, accommodating various network architectures within a single management framework.

- EnGenius Cloud users can access EPC from the EnGenius Cloud Interface.
- Connects with EnGenius Cloud for pro-features and license management.
- Enables backup and redundancy options through cloud integration.functions.



Remote Management

EPC allows administrators to monitor, configure, and troubleshoot networks remotely, ensuring optimal performance and security across all sites. This capability is essential for multi-site organizations, enabling real-time oversight and quick issue resolution without on-site visits. EPC's secure web interface ensures efficient, cost-effective network management, optimizing and securing systems.



Comprehensive Licensing

Maximize your network's potential with EPC's flexible and comprehensive license management system. This system enables advanced network features and ensures high availability and backup solutions. Administrators can manage and allocate licenses for premium functionalities such as enhanced security features, scalability options, and backup configurations. This centralized licensing approach allows organizations to optimize resource usage and ensure compliance with licensing agreements.

License Type	Description
Connect	Enable EPC check in EC, allowing EPC to bind other licenses. Enable EPC FitRegister to manage EnGenius devices that located in internet. Enable replace function on EC, allow device registration & license key data handover.
Device Pro	Enable device Pro features for Cloud devices.
Backup*	Active complete EPC configuration backup on EC, including MSP*/Org/network/device configurations.
HA*	Enable EPC redundancy function.
MSP*	Enable MSP functions on EPC.

Basic Features Available for Free

EPC offers essential network management tools—such as device monitoring, fundamental security, and network configuration—completely free of charge, ensuring that even small businesses can effectively secure and manage their networks. These basic features cover fundamental tasks such as device monitoring, network configuration, and basic security measures, ensuring that businesses can effectively manage and secure their networks even without additional costs.

Advanced Networking Features with Paid License

Device-Pro License

As businesses grow and their network management needs become more complex, Device-Pro Licenses give you complete control over your network, equipping with advanced tools and features for a secure, efficient, and scalable networking solution.

1.Connect License

This license enables seamless integration with EnGenius Cloud, allowing remote management, advanced analytics, and additional cloud-based functionalities. The Connect License is ideal for organizations looking to extend their on-premises network management capabilities into the cloud, providing greater flexibility and oversight.

2.Backup License

The Backup License ensures that all EPC configurations are securely backed up, protecting against data loss and ensuring rapid recovery. This license is essential for businesses prioritizing data integrity and disaster recovery, as it allows for quick restoration of network configurations in case of a system failure.

3. HA License (High Availability)

The HA License provides redundancy and high availability, ensuring that your network remains operational even in the case of hardware failures or other disruptions. For enterprises and MSPs that demand uninterrupted network services, the HA License ensures continuous uptime, offering peace of mind with industry-leading failover capabilities.

4. MSP License

Tailored for managed service providers (MSPs), this license enables the management of multiple client networks from a single platform. The MSP License supports features such as multi-tenancy, custom reporting, and remote troubleshooting, making it an indispensable tool for service providers who need to efficiently manage and scale their client base.

Feature	Basic Device Managmenet	Local Network Monitoring	Advanced Security Management	EnGenius Cloud Integration	Remote Device Management	High Availability (HA)	Cloud Backup	MSP Features
Basic	✓	✓	✗	✗	✗	✗	✗	✗
Advanced Lincense	✓ Device-Pro License	✓ Device-Pro License	✓ Device-Pro License	✓ Connect License	✓ Connect License	✓ HA License*	✓ Backup License*	✓ MSP License*

*HA will be available in Q2 2025. Backup and MSP licenses will be available in 2H 2025.

Failover and Redundancy

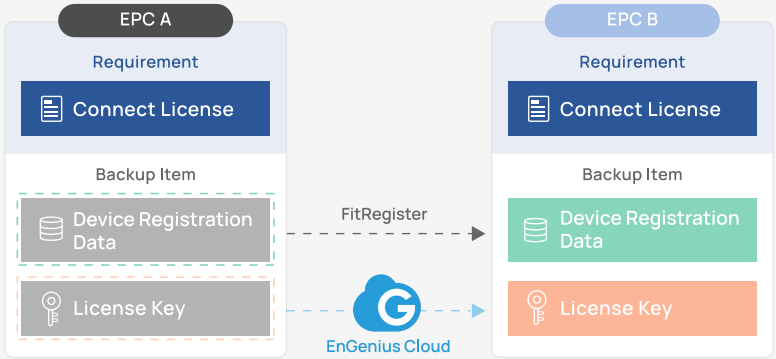
For businesses where every minute of downtime can result in significant financial loss, EPC's robust failover and redundancy features ensure continuous network operation, protecting your bottom line from the impact of unexpected disruptions.

Basic Failover*

EnGenius Private Cloud (EPC) ensures network continuity by utilizing EnGenius Cloud and FitRegister for essential backups. This basic failover feature secures license keys and device registrations, providing a safeguard that allows your network to quickly recover and maintain operations in the event of a disruption.

*Basic Failover will be available in Q2 2025.

Requirement:
2x EPC Connect License

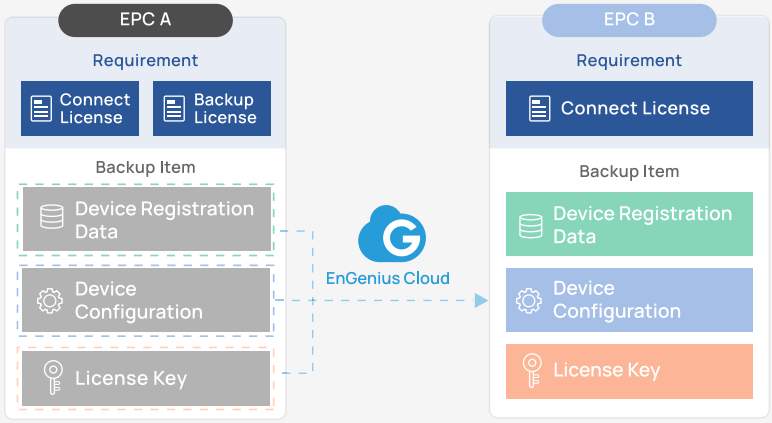


Enhanced Backup*

EPC enhances reliability by leveraging EnGenius Cloud to perform full backups of all configurations and device settings, including license key assignments. In case of a failure, this backup allows for a swift restoration of your network's critical configurations, minimizing downtime.

*Enhance Backup will be available in 2H 2025.

Requirement:
EPC Backup License +
2x EPC Connect License

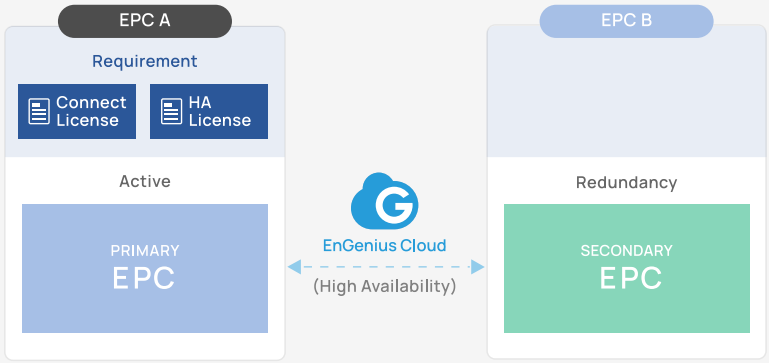


Real-Time Redundancy*

EPC offers robust real-time redundancy by activating a secondary EPC instance. This feature guarantees continuous operation by enabling automatic failover between two EPC instances, ensuring uninterrupted network functionality even if the primary system encounters an issue.

*Real-Time Redundancy will be available in 2H 2025.

Requirement:
HA License +
EPC Connect License



Supported Devices

Ensuring network reliability and minimizing downtime are critical for any business, and the EnGenius Private Cloud (EPC) delivers robust failover and redundancy features designed to keep your network running smoothly, even in the face of unexpected disruptions.

Product Line		EnGenius Cloud (EC)	EnGenius Fit	EnGenius Private Cloud (EPC)
VPN Router	ESG (Cloud Gateway)	✓	–	–
AP	ECW (Cloud AP)	✓	–	✓
	EWS (FIT AP)	–	✓	✓
Switch	ECS (Cloud Switch)	✓	–	✓
	EWS (FIT Switch)	–	✓	✓
	EXT (Switch Extender)	✓	–	Future
Surveilance	ECC (Camera)	Future	–	–
	EVS (Network Video Server)	Future	–	–
PDU	ECP	✓	–	–

Access Points

EPC supports the full range of EnGenius ECW and EWS-FIT Access Points, known for high performance and reliability. These APs deliver high throughput and wide coverage for businesses. With EPC, you can centrally manage and monitor all connected access points, ensuring optimal wireless performance, security, and user experience.

Switches

EPC integrates seamlessly with EnGenius ECS and EWS-FIT Switches, offering detailed insights and control over your network. These switches are designed to handle high data traffic with minimal latency and are ideal for business network deployments. EPC allows administrators to manage port configurations, monitor PoE status, and maintain efficient network operations, simplifying maintenance and preventing issues.

Future Support

EPC is scalable, with planned updates to support the EXT series (Switch Extender). This future-proof approach ensures seamless integration of new devices and standards, protecting your investment as technology evolves.



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