



SMART FIREWALL

Beyond Next Generation Firewall

DATASHEET

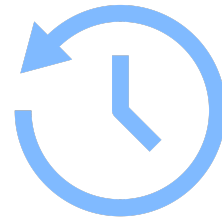
Beyond Next Generation Firewall

SmartFirewall™ by Tekmonks is an advanced network security solution designed to provide comprehensive protection against cyber threats. It is a next-generation firewall that leverages artificial intelligence and machine learning to provide real-time threat detection and prevention.



Advanced network security solution

Advanced threat protection for networks



Real-time threat detection & response

Immediate threat identification and reaction

The key features of SmartFirewall include:

- Artificial Intelligence (AI) and Machine Learning (ML)
- Real-Time Threat Detection and Prevention
- Comprehensive Security
- Centralized Management
- Scalability and Flexibility
- High Performance
- Easy Deployment

Key Features

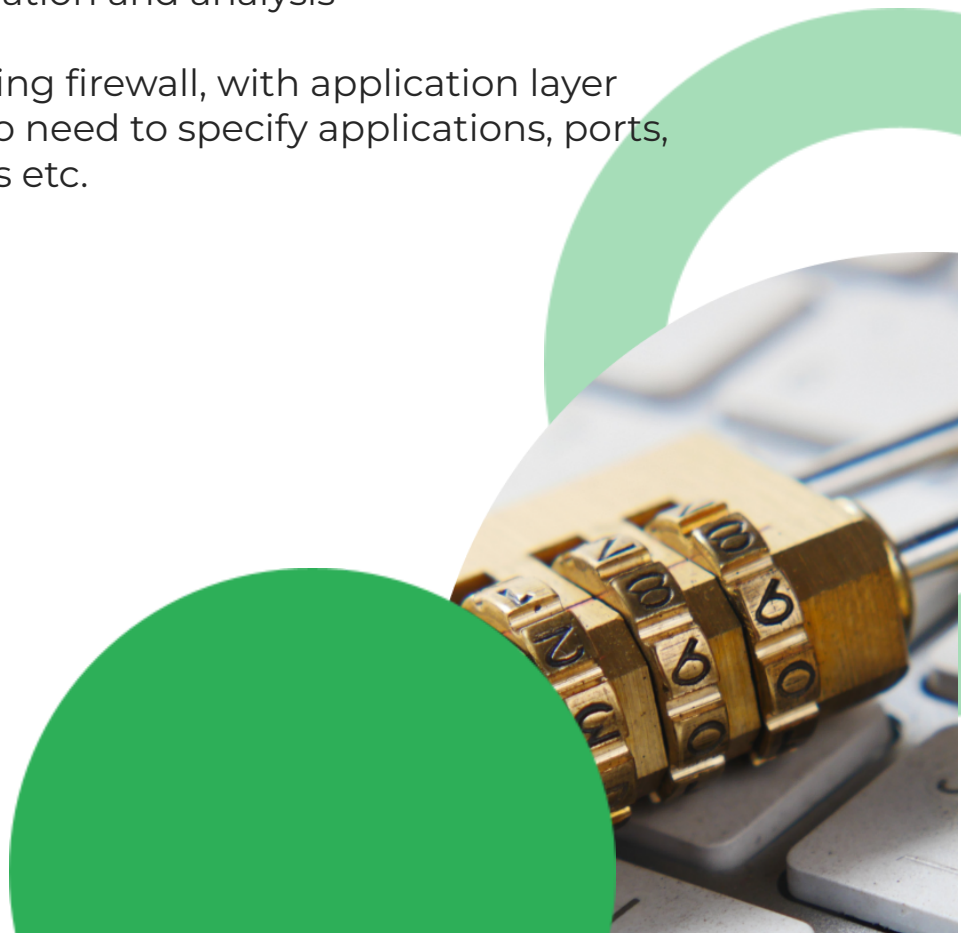
The SmartFirewall is a comprehensive network security solution that provides advanced threat detection and prevention capabilities. Its use of AI and Machine Learning, real-time threat detection, comprehensive security features, centralized management, scalability and flexibility, high performance, and easy deployment make it an ideal solution for organizations of all sizes.

- **Artificial Intelligence (AI) and Machine Learning (ML):** Uses advanced AI and ML algorithms to analyze network traffic and detect anomalies in real-time. This allows it to identify and prevent threats before they can cause any damage.
- **Real-Time Threat Detection and Prevention:** Provides real-time threat detection and prevention capabilities, ensuring that your network is always protected against the latest threats.
- **Comprehensive Security:** Provides comprehensive security features, including intrusion detection and prevention, antivirus and anti-malware protection, and web filtering.
- **Centralized Management:** Provides a centralized management console that allows administrators to easily manage and configure the firewall. This makes it easy to monitor and control network traffic, set policies, and view reports.
- **Scalability and Flexibility:** Highly scalable and can be easily deployed in both small and large networks. It is also flexible and can be customized to meet the specific needs of your organization.
- **High Performance:** Designed to provide high performance and low latency, ensuring that network traffic is not impacted by the firewall.
- **Easy Deployment:** Easy to deploy and can be integrated with existing network infrastructure. It can also be deployed as a virtual appliance or as a hardware appliance.

Highly effective and comprehensive network security solution

The evolution of the Next Generation Firewall:

- SmartFirewall preemptively bans attack IPs using the largest IP database from curated blacklists.
- Integration with NIST – US Government's National Vulnerability Database (NVD) and Exploit-DB for Anti-Malware, Anti-Spam, and Anti-Virus protection
- Malware-App detection for Mobile Apps – integration with Google App Store and Malpedia DBs
- IPS based on CyberWarrior AI technology for Anomaly based active defense.
- Auto-Sandboxing to Windows or Linux host VM for exploit detonation and analysis
- Self-configuring firewall, with application layer mapping – no need to specify applications, ports, users, policies etc.





Benefits

SmartFirewall offers a range of benefits to organizations looking to enhance their network security. Here are some of the key benefits:

- **Enhanced Network Security:** Provides advanced network security features that go beyond traditional firewalls, including behavioral analysis, machine learning, and artificial intelligence (AI) to detect and prevent threats in real-time. This provides organizations with enhanced protection against the most advanced threats.
 - **Improved Network Performance/Simplified Network Management:** Network congestion is reduced by restricting the flow to legitimate users only to the applications that they themselves have access to.
 - **Cost-Effective:** A cost-effective solution that offers advanced network security features without the need for expensive hardware or software. This makes it an ideal solution for organizations of all sizes and budgets.
 - **Scalable:** A scalable solution that can be easily customized to meet the unique needs of each organization. This ensures that organizations can scale their network security as their needs evolve over time.
 - **Real-Time Threat Intelligence:** Provides real-time threat intelligence to help organizations stay ahead of the latest threats. This includes updates on emerging threats, as well as access to a global threat intelligence network.
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SmartFirewall Helps meet Regulatory Compliance Standards

SmartFirewall helps organizations meet regulatory compliance requirements. The solution is designed to help organizations achieve compliance with a range of regulatory frameworks, including HIPAA, PCI DSS, and GDPR.

- PCI Compliance
 - Audit standards
 - Access Control Standards
- Japan Cybersecurity Management Guidelines
 - Maintaining Continuity Regulations,
 - Initial Reaction Guidelines for Cyberattacks,
 - Secure external partner guidelines
- New York DFS Cybersecurity Regulations for Financial Institutions
 - Continuous Cyber Security Monitoring Requirement
 - 2 Hour RTO to detect and recover from Cyber Attacks.
 - Maintain ongoing monitoring and situation awareness of Cyber Attacks.

Specifications	
Supported OS	<ul style="list-style-type: none">• Linux• Redhat Enterprise• Ubuntu
Compliance	ISO 27001
System Requirements	<ul style="list-style-type: none">• 4 cores• 12 GB RAM• 250 GB Disk
Product Model	SaaS Software
Installation Methodology	Delivered as SaaS or Pre Built VMs
Integration	<ul style="list-style-type: none">• Windows• Linux• Network via SNMP
Support	Support Documentation

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PATENTS: US Patent Pending

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