

# Adhere NetDefender Firewall - Product Features

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Powered by pfSense®  
Secure. Scalable. Reliable.

## 1. Overview

Adhere NetDefender Firewall is a powerful and flexible network security solution built on the industry-proven pfSense® platform. Designed for businesses of all sizes, it offers enterprise-grade security, high availability, and advanced features to protect your network from internal and external threats.

## 2. Core Features

- Stateful packet inspection (SPI) and dynamic firewall rules
- Outbound NAT, port forwarding, 1:1 NAT
- Alias system for grouping IPs, ports, and networks
- Advanced routing with policy-based rules
- IPv4 and IPv6 support
- High availability (CARP, pfsync, XMLRPC sync)
- Multi-WAN for failover and load balancing
- Integrated DHCP, DNS Resolver/Forwarder services
- Static and dynamic IP address support

### 3. Security & Protection

- Intrusion Detection and Prevention System (IDS/IPS) with Snort/Suricata integration
- IP blocklists and threat intelligence feeds
- GeoIP filtering and country-based access controls
- SSL/TLS inspection and certificate management
- VPN support: IPsec, OpenVPN, WireGuard
- Two-Factor Authentication (2FA) for admin access and VPN users
- MAC address filtering and device access control
- Web filtering and content categorization (via pfBlockerNG)
- Time-based rules and scheduling

### 4. Performance & Monitoring

- Real-time bandwidth usage and network traffic graphs
- Built-in monitoring with RRD and SNMP support
- Syslog integration and remote logging
- NetFlow / sFlow / IPFIX export capabilities
- Customizable dashboard and status widgets
- Auto-backup and config history management
- Alerts and notifications via email or external monitoring systems

### 5. Administration & Management

- Modern, intuitive web-based GUI
- Role-based access control (RBAC) for administrators
- Command-line interface (CLI) for advanced users
- Configuration wizards for common tasks
- Firmware and package management with ease
- REST API access for automation and integration
- Remote management with secure access controls

### 6. Optional Add-ons & Integrations

- pfBlockerNG for IP/DNS filtering and country blocking
- Suricata/Snort for advanced IDS/IPS capabilities
- ntopng for deep traffic analysis and visibility
- Zabbix/Nagios for network-wide monitoring integration
- ACME package for Let's Encrypt SSL certificate automation

## 7. Deployment Options

Adhere NetDefender is available as a hardware appliance, virtual appliance, or cloud-deployed firewall. Each deployment is optimized for performance, flexibility, and scalability, depending on the organization's requirements.

## 8. Common Use Cases

- Perimeter Firewall for Corporate Networks
- VPN Gateway for Remote Workforce
- Network Segmentation for Enhanced Security
- Secure Routing for Multi-site Connectivity
- Educational Institutions and Government Offices

## 9. Hardware Specifications

NetDefender is offered in multiple hardware configurations to suit diverse deployment scenarios. Common specifications include:

- CPU: Intel® Celeron®, Core™ i3/i5/i7, or Xeon® (depending on model)
- RAM: 4GB to 32GB DDR4
- Storage: 128GB to 1TB SSD
- Network Interfaces: 2 to 8 Intel® Gigabit or 10-Gigabit Ethernet Ports
- Chassis: Desktop or 1U/2U Rackmount Options
- Power Supply: External or Internal (with redundancy in higher models)

## 10. Contact Us

To request a demo or get a customized quote, contact us at:

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