



LAN 1 – 192.168.1.1  
 LAN 2 – 192.168.2.1  
 LAN 3 – 192.168.3.1

WAN 1 - DHCP  
 WAN 2 - DHCP  
 WAN 3 - DHCP

**LOGIN VIA WEB BROWSER ON LAN 1**

Address: 192.168.1.1

User Name: routermods

Password: Agg1

**Hardware Specifications:**

CPU	Intel Core i5-3320M (2 core 4 threads, up to 3.30 GHz)
RAM	4GB Installed 1*DDR3L 1333 slot, support 8GB of memory
SSD	64GB Installed, 1 SATA interface, 1 MSATA interface
Graphics chip	Integrated intel HD Graphics core graphics
Display interface	1*VGA display output interface
Front I/O	1*Power button, 1*Restart button, 1*CONSOLE, 2*USB2.0, 6 Intel Gigabit Lan
Back I/O	1*VGA, 1*Power adapter interface
power supply	External 12V-4A
Working humidity	0%~60% (Non-condensing state)
Operating temperature	0°C~60°C
Safety certificate	CE/CCC/FCC Class A/ROHS
Product Size	210*200*45(mm)
Net weight of whole machine	2kg

**Software Features:**



**Firewall and Router**

- Stateful Packet Inspection (SPI)
- GeoIP blocking
- Anti-Spoofing

- Time based rules, Connection rules
- Dynamic DNS, Reverse proxy
- Captive portal guest network
- Supports concurrent IPv4 and IPv6
- NAT mapping (inbound/outbound)
- VLAN support (802.1q)
- Configurable static routing
- IPv6 network prefix translation
- IPv6 router advertisements
- Multiple IP addresses per interface
- DHCP server, DNS forwarding
- Wake-on-LAN, PPPoE Server



## VPN

- IPsec and OpenVPN
- Site-to-site and remote access VPN support
- SSL encryption
- VPN client for multiple operating systems
- L2TP/IPsec for mobile devices
- Multi-WAN for failover
- IPv6 support
- Split tunneling
- Multiple tunnels
- VPN tunnel failover
- NAT support
- Automatic or custom routing
- Local user authentication or RADIUS/LDAP



## Intrusion Prevention System

- Snort-based packet analyzer
- Layer 7 application detection
- Multiple rules sources and categories
- Emerging threats database
- IP blacklist database
- Pre-set rule profiles
- Per-interface configuration
- Suppressing false positive alerts
- Deep Packet Inspection (DPI)
- Optional open-source packages for application blocking



## Enterprise Reliability

- Optional multi-node High Availability Clustering
- Multi-WAN load balancing

- Automatic connection failover
- Bandwidth throttling
- Traffic shaping wizard
- Reserve or restrict bandwidth based on traffic priority
- Fair sharing bandwidth
- User data transfer quotas



### User Authentication

- Local user and group database
- User and group-based privileges
- Optional automatic account expiration
- External RADIUS authentication
- Automatic lockout after repeated attempts



### Proxy and Content Filtering

- HTTP and HTTPS proxy
- Non Transparent or Transparent caching proxy
- Domain/URL filtering
- Anti-virus filtering
- SafeSearch for search engines
- HTTPS URL and content screening
- Website access reporting
- Domain Name blacklisting (DNSBL)
- Usage reporting for daily, monthly, etc.

## Administrator



### Configuration

- Web-based configuration
- Setup wizard for initial configuration
- Remote web-based administration
- Customizable dashboard
- Easy configuration backup/restore
- Configuration export/import
- Encrypted automatic backup to Netgate server
- Variable level administrative rights
- Multi-language support, Simple updates
- Forward-compatible configuration
- Serial console for shell access and recovery options



### System Security

- Web interface security protection

- CSRF protection
- HTTP Referer enforcement
- DNS Rebinding protection
- HTTP Strict Transport Security
- Frame protection
- Optional key-based SSH access
- Block private networks of WAN as default
- Block bogon networks as default
- L2TP VPN, OpenVPN, IPsec
- Block bogon networks as default



## Reporting & Monitoring

- Dashboard with configurable widgets
- Local logging
- Remote logging
- Local monitoring graphs
- Real-time interface traffic graphs
- SNMP monitoring
- Notifications via web interface, SMTP, or Growl
- Hardware monitoring
- Networking diagnostic tools
- BandwidthD, MRTG like traffic chart