

Flying Concepts on
Open Source

Kirat Communications (OPC) Pvt. Ltd.

Regd. Office:

Unit No. 109-C Wing, 1st Floor, Kailas Business Park,
Hiranandani Vikhroli Link Road,
Vikhroli (West), Mumbai – 400079.

<http://www.kiratcommunications.com>

☎ +91 98963 89883

✉ info@kirat.co.in

We give IT infrastructure /
email / firewall support and
other IT solutions based on
open source to various
corporate clients across the
world. We believe that open
source is the best way to serve
clients and society providing a
true value
service on a platform that
blends into their setup of
diverse nature and
requirements.

Out Clients



Features

Firewall and Router

Stateful Packet Inspection (SPI)
 GeoIP blocking, Anti-Spoofing
 Time based rules, Connection limits
 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

User Authentication

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

VPN

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

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

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

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.

Security Gateway Appliances (Firewall Hardware)

Kirat: KK-SFL-03



Processor: AMD GX-412TC 1GHz 64bit quadcore
 RAM: 2GB DDR3-1333 Mhz
 HDD: mSATA 16 GB SSD

Kirat: KK-MFL-04



Processor: Intel Celeron
 RAM: 4GB DDR3L-1333 Mhz
 HDD: mSATA 16 GB SSD

Kirat: KK-RKB-04 Rack Mountable



Processor: 1.8Ghz Processor
 RAM: 2GB
 HDD: 16 GB SSD Disk

Kirat: KK-RKN-06 Rack Mountable



Processor: Intel Celeron
 RAM: 4GB DDR3-1333 Mhz
 HDD: msata 32 GB SSD

Administration

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

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

| | KK-SFL-03 | KK-MFL-04 | KK-RKB-04 | KK-RKN-06 |
|------------------------------|------------|------------|------------|------------|
| Recommended User Limit | 100 | 250 | 300 | 300 |
| Firewall Throughput | 800 Mbps | 900 Mbps | 900 Mbps | 900 Mbps |
| VPN Throughput | 120 Mbps | 300 Mbps | 300 Mbps | 300 Mbps |
| IPS Throughput | 350 Mbps | 500 Mbps | 500 Mbps | 500 Mbps |
| Antivirus Throughput (proxy) | 400 Mbps | 550 Mbps | 550 Mbps | 550 Mbps |
| Concurrent connections | 2,000,00 | 2,000,00 | 4,000,00 | 4,000,00 |
| Ethernet interfaces (copper) | 3x Gigabit | 4x Gigabit | 4x Gigabit | 6x Gigabit |

No license charges Saves yearly recurring cost