



Galgus Network Controller Enhancer 16B1TB

Galgus Network Controller Enhancer series B becomes the best most powerful cost-effective solution in the market for medium-large enterprises between 200 to 1.000 employees with latest technologies and solutions.



It is delivered with a default open source distribution solution based on FreeBSD which functionality covers the same as expensive, proprietary commercial brands.

OPTIONAL 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

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 and AAA 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.
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- Domain Name blacklisting (DNSBL)
- Usage reporting for daily, monthly, etc.

WiFi Access Controller

- Supports IETF.
- Can work as a WiFi Gateway.
- Support > 25000 clients.
- Scalable.
- Support 802.11e
- WPA/WPA2/WEP encryption

- Captive portal support.
- Support dynamic VLAN Assignment.
- Support active/standby connection to network elements.
- Support LACP.
- Management and Maintenance support: AP grup configuration and auto-upgrade,
- Multilevel user login, HTTPS based web management, SSH/Tenet/Console based CLI
- Mutual discovery and authentication with APs.

ADMINISTRATION

Configuration

- Web-based configuration
- Setup wizard for initial configuration
- Remote web-based administration
- Cloud Manager administration
- Customizable dashboard
- Easy configuration backup/restore
- Configuration export/import
- Encrypted automatic backup to Galgus 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

Specifications

	Intel i7-6700
Chipset	C236
System Memory	16GB DDR4 2133/2400MHz expandable up to 32GB
Storage	2x STA 3.0 + 1x mSATA slot, + 2x 3.5/2.5" HDD/SDD trays + 1x CF slot
Connectivity	6x 10/100/1000Mbps RJ-45 Ethernet + 6x Intel PCIe GbE 2 channels bypass, 2xUSB3.0 ports 1xRJ45 Com port 1xVGA 1x PCIe16 + 1x PCIe4 Optional modules available for SFP+, SFP, GEthernet,..... 2x10GE SFP+ module included
Powering	Built in power supply 250W 100Vac...240Vac 50/60Hz Optional redundant power supply
Environment	-10°C to +50°C operation temperature -20°C to +75°C storage temperature 5% to 90% non condensing @40°C operation humidity 5% to 95% non condensing storage humidity
Dimmensions	450x430x44.5mm 1U Rackmount chassis
Weight	12.8Kg