



Galvus Network Enhancer 32B2TB

Galvus Network Controller Enhancer series B becomes the best most powerful cost-effective solution in the market for large enterprises more than 1.000 up to 10K employees (Approx.) 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 THAT CAN BE INCLUDED

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 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.



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

CPU	2x Xeon E5-2620 V3/V4
Chipset	Intel C612
System Memory	32GB DDR4 R-ECC 2133/2400MHz(Up to 512GB) + 2TB SSD (8 slots 3.5" trays)
Storage	10x STA 3.0 RAID 0,1, 5, 10 + Optional LSI Mega RAID 9260-8i RAID
Connectivity	2x 10/100/1000Mbps RJ-45 Ethernet + 2x Intel PCIe GbE channels controllers, 2xUSB3.0 ports + 2xUSB2.0 + 4 internal USB 2.0 interface 1xDB9 Com port + 1x RS-232 internal interface 1xVGA (Aspeed AST2400 graphics controller) 1x PCIe x16 slot + 5x PCIe x8 slots Optional modules available for SFP+, SFP, GEthernet,....
Powering	Built in redundant power supply 550W 100Vac...240Vac 50/60Hz
Environment	-10°C to +45°C operation temperature -20°C to +75°C storage temperature 5% to 85% non condensing @40°C operation humidity 5% to 95% non condensing storage humidity
Dimensions	550x440x88mm 2U rackmount chassis heavy duty metal
Weight	11.9Kg

Optional HW