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AG Edu+



All-in-one Unified Security Gateway

Threat Management

- Firewall
- Intrusion Detection & Prevention
- Gateway Level Anti-Virus

Persistent Connectivity

- Multi WAN Uplinks
- Auto Failover and Load balance
- Policy Based Routing
- 2G/3G/4G USB dongle support
- High Availability

Next Generation Appliance

- Gigabit Interface
- Powerful Firewall Engines
- Easy & User-Friendly GUI

Application Failover

- ILLB*
- DIP**

Secure Access

- IPSec VPN
- Secure SSL VPN

Productivity Assurance

- Application Proxy (HTTP/HTTPS)
- Anti-Spam
- Web Content Filtering
- QoS/ Bandwidth Management
- Logging and real time monitoring

System parameters

Interfaces(Gigabit)	6\8
Concurrent Session	2,000,000
New Sessions /Second	100,000
Firewall Throughput(UDP)(Mbps)	12500
Firewall Throughput(TCP)(Mbps)	1000
Secure SSL Throughput (Mbps)	600
IPSec Throughput (Mbps)	1250
GAV Throughput (Mbps)	2800
UTM Throughput (Mbps)	1500
IPS Throughput (Mbps)	2250

The AnexGATE AG Edu+ is a powerful and Robust USG appliance designed for Most Demanding Educational Networks.

Comprehensive Protection in a Single Unified Security Gateway Appliance.

AnexGATE AG Edu+ of Appliances enables you to secure the educational institution's network without sacrificing the ease of access of Internet to students for effective learning.

AnexGATE AG Edu+ is a specially priced that provides the network "technology protection measures" Institutes need for CIPA compliance, plus all the network security needed to protect against: Access to inappropriate Web Content, Web and file transfer content blocks viruses, worms, web-based malware sites, phishing attacks and more !

AnexGATE USG are purpose-built to provide rapid deployment of essential security technologies to protect your educational network and its centralized management and reporting make it easy to secure thousands of desktops and laptops without stretching your IT budget or personnel.

Our offering to education segments

- **Web Security**
- **VPN (Virtual Private Network)**
- **Network Separation/Segregation**
- **Integrated Security Solution**

• Web Security

i. Every institution wants to control social networking media, block P2P, bit-torrent downloads, content based filtering but all in transparent mode with Time based browsing & Bandwidth control per user/group .

ii. MAC ID - IP - Interface based binding so that internet access in only for the specific MAC and IP bind and also need to come from the same LAN interface

iii. AnexGATE's AG Edu+ integrated Web and email security provide transparent gateway filtering and protection from Internet threats like viruses, Trojans, phishing attacks, and spam. AnexGATE uses a hybrid Web filtering solution that scans both URL and "inside-the-page" content for what you deem to be inappropriate and/or malicious.

iv. AnexGATE AG Edu+ also offers the ability to block Web content so School /college administrators can automatically block all content with a single setting (Content filtering with Weighted Phrase). Images blocking like Pornographic is the major issue as Google Chrome kind of browser first page has the embedded image which cannot be blocked, second thing is blocking the proxy servers to misuse of internet. AG Edu solves both these issues All AnexGATE's USG Web filtering databases are constantly updated to include the newest and most comprehensive list of potentially harmful or malicious sites.

v. In addition, AnexGATE AG Edu+ also offers numerous other Web protections that include the ability to block by Mime /File type, anti-virus scanning of all Web content, spyware protections, and much more.

vi. AnexGATE AG Edu+ also simplifies the task of tracking web activity through its real-time or historical Web access reports. It provides complete report of the user based on Host Name / IP / MAC ID / Domains Visited / TCP connections etc which enables the System Admin to pinpoint the exact problems and who caused it at any point in time.

• Hybrid VPN (Virtual Private Network)

AnexGATE AG Edu+ offers two flavors of VPN connectivity (IPSec and secure SSL) to help administrators connect their, schools, libraries, university campuses /depts. and other offices together.

Our Secure SSL solution also provides highly secure Mobile/Remote Client access that remote users can access from anywhere. This means you get industry-grade encryption (128-bit and higher) on branch office and remote user access so you can be assured any sensitive information is adequately protected from unauthorized or inappropriate access.

• Network (LAN) Separation/Segregation

VLAN support to segment different Depts, Labs, Hostel to avoid unnecessary access between depts. , to prevent virus flooding from segment to segment, bandwidth allocation to each VLAN, completely different set of control to Hostel segment users etc.

AnexGATE AG Edu+ are preconfigured with network "zones" that provide automatic protection out-of-the-box between more secure and less secure networks so schools and library technology staff don't have to bother with building or managing intra-network security and can focus on more important tasks.

• Integrated Security Solution

With AnexGATE AG Edu+ you get a single unified security Gateway solution that not only provides firewall and web filtering, but also Multi WAN Support Automatic WAN failover & Load balancing, Policy Routing, , Hardware redundancy (HA), QoS , and so much more. This provides significantly lower total cost of ownership (TCO) while delivering comprehensive security services.

* Inbound Link Load Balance

** Drop in Placement for 100% uptime without modifying even a single IP in the LAN segment



Connectivity

Firewall

- ✓ Stateful Packet Inspection
- ✓ Zone-based access control list
- ✓ IP / Mac / Port based filtering
- ✓ Source NAT & NetMAP NAT
- ✓ Access scheduling
- ✓ MAC- IP – Interface Binding
- ✓ One to One NAT(DMZ)

Multi ISP Link & Load Balance

- ✓ Support for Multiple ISP (WAN)Uplinks
- ✓ 2G/3G/4G USB dongle support (WAN)
- ✓ Multi WAN auto failover / failback
- ✓ Multi WAN Load Balancing
- ✓ Packet loss and RTA based link quality failover
- ✓ Inbound Link Load Balance
- ✓ WRR Based Load Balance

Networking /Routing

- ✓ Routing Mode / Bridge (Transparent) Mode
- ✓ Policy routing based on Zone, IP and Port
- ✓ Static & Dynamic* routing
- ✓ Multicast Routing
- ✓ IP Passthrough with bypass firewall option
- ✓ VLAN support on both WAN & LAN
- ✓ Proxy ARP support on both WAN & LAN
- ✓ MAC address clone support on both WAN & LAN
- ✓ Virtual Interface(IP Alias)
- ✓ DHCP & DNS server support on per LAN & Zone based
- ✓ DDNS support per interface wise (WAN & VPN Interface)

Intrusion Detection and Prevention

- ✓ Protect over 2000 + attack
- ✓ Automatic signature updates
- ✓ Protocol anomaly detection and protection
- ✓ Traffic anomaly detection and protection
- ✓ Flooding detection and protection
- ✓ DoS/DDoS protection
- ✓ Support for custom rule upload

Gateway Antivirus

- ✓ Support Kaspersky* and ClamAV AntiVirus
- ✓ HTTP / FTP / SMTP / POP3 / IMAP4 protocol support
- ✓ Automatic Virus signature database update
- ✓ No file size limitation
- ✓ Blacklist / whitelist support
- ✓ Block by file/MIME types

Mail Security & Gateway Antispam

- ✓ Transparently intercept mail via SMTP/POP3
- ✓ Filter based on message header, size, sender, Recipient
- ✓ Blacklist/white list support
- ✓ RBL / CBL / SBL Lookup , MIME header check
- ✓ Bayesian filter
- ✓ Image-spam filtering
- ✓ Spam tag support

Security

Web Security

- ✓ Application proxy with Web cache
- ✓ Transparent Proxy (HTTP & HTTPS)
- ✓ Inbuilt Web Category Database
- ✓ Trusted Domains / URL / Wild Card Support
- ✓ Mime Type / File extension filter support
- ✓ Content Filtering based on Weighted Phrase
- ✓ Pornographic image blocking
- ✓ Force Safe search
- ✓ Custom category upload support
- ✓ Anti Malware Scanning of Web traffic
- ✓ Unlimited Policies & users creation
- ✓ Web Authentication
- ✓ Internal / External authentication servers support
- ✓ Group Based Web Access Policies
- ✓ Port control on web traffic
- ✓ Schedule-based Access control with Multi-Time Intervals
- ✓ User /Group identity Based Bandwidth Management
- ✓ Download & Upload Limit Control
- ✓ Private browsing support for management team
- ✓ Complete and detailed report on browsing including Connections details
- ✓ CIPA Compliant

IPSecVPN

- ✓ IPSec
- ✓ Encryption Algorithm - 3DES, AES
- ✓ Authentication Algorithm: SHA-1/MD5
- ✓ Support Key Exchange - IKE, Manual Key, PKI
- ✓ Perfect forward secrecy (DH Group 2,5)
- ✓ Dead Peer Detection support
- ✓ VPN Failover / Connection redundancy
- ✓ IPSec NAT Traversal
- ✓ Auto Reconnect VPN
- ✓ Interop with other IPSec devices
- ✓ FQDN support (Dynamic IP support)

Secure SSL

- ✓ On- Demand VPN Support
- ✓ TCP & UDP tunneling
- ✓ Key Management & Certification authority
- ✓ Encryption: 3DES, AES, BlowFish
- ✓ Message Integrity: SHA1
- ✓ Multi-layered Client Authentication
- ✓ Network access - Split and Full Tunnel Mode
- ✓ Granular access control based on IP & Port
- ✓ VPN client support for Windows, Linux & MAC OS
- ✓ High Availability support for VPN Servers

Traffic Management Quality of Service (QoS)

- ✓ Guaranteed bandwidth
- ✓ Maximum bandwidth
- ✓ Ingress traffic policing
- ✓ Priority-bandwidth utilization
- ✓ Differentiated Services stamping
- ✓ Preset File sharing rules

Productivity

System Management

- ✓ Three levels of users - Admin, Operator/Monitor Employee
- ✓ Admin User management to create user login with preset permission
- ✓ Multiple users login
- ✓ Web UI (HTTP and HTTPS)
- ✓ Command line interface (Console)
- ✓ Configuration Backup & Rollback
- ✓ Firmware upgrade via web GUI
- ✓ SNMP (v2)

High Availability

- ✓ Active-Passive mode
- ✓ Device failure detection and notification
- ✓ Heart Beat support
- ✓ Preempt mode support
- ✓ Link monitoring
- ✓ Auto-Sync configurations
- ✓ Based on IP Migration or Member of Tracker which includes WAN 3G/ 4G interface as well

Logging / Monitoring

- ✓ Comprehensive local logging / On-Appliance Reporting
- ✓ Email Alert - Multiple Mail Id
- ✓ Remote Syslog support
- ✓ Real-Time traffic monitoring by Live network Meter
- ✓ Built-in daily report
- ✓ Graphical Bandwidth Report (based on Time, Date, Week, Month)
- ✓ Exportable formats - PDF, Excel
- ✓ Network Tools- IPTraf , TCP Dump
- ✓ Security Reports for Suspicious Activities
- ✓ Graphical real-time and historical Monitoring
- ✓ Log Viewer - 20 different kinds of logs including System boot log, Firewall log, IDS/IPS, VPN, Web proxy logs, Antivirus/Antispam, HA log, System and Admin events, IM activities Log...
- ✓ Remote Management

Compliance

- ✓ CE
- ✓ FCC

Power

Input Voltage	AC 100-240 V
Consumption	150W
Total Heat Dissipation (BTU)	780

Environmental

Operating Temperature	0 - 45 °C
Storage Temperature	2 - 70 °C
Relative Humidity	10 to 90%
(Non condensing)	

Hardware Specification

Rack Mount	1U Platform
Memory	4 GB
Ethernet Port	6/8
Bypass Support	Yes
Interface modules Support(optional)	Yes
Seamless upgrade	Yes
WAN Port Support	3
USB Port	2
Dimensions (mm)	44 * 423 * 470 (HxWxD)
Weight and color	~ 7 kgs & Red

More Solutions from AnexGATE

AnexGATE ACE

AnexGATE SECURE VPN

AnexGATE SSL VPN

AnexGATE DLP

AnexGATE BA

AnexGATE CLOUD



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All specifications and photos are subject to change without notice
Testing Methodologies: UTM/Gateway AV/IPS throughput measured based on HTTP traffic as per RFC 3511 guidelines using industry Standard .
Actual performance may vary depending on the network traffic environments and activated services.