



| FEATURES | | SPECIFICATIONS |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------|
| Number of GE Copper interface (Ports) | | 4 |
| Type [NGFW / Firewall] | | NGFW |
| Form Factor (RU) | | 1U |
| Throughput with all features enabled (Under Test Condition) (Mbps) | | 1800 |
| Throughput (Real World/Prod Performance)(Under Test Condition) (Mbps) * | | 1750 |
| Concurrent Session/ Concurrent Connection | | 8M |
| New session/Connection per second | | 84k |
| High Availability | | Active to Active Active to Passive |
| Traffic handled | | 1.TCP 2.UDP 3.TCP/UDP 4.HTTP/TCP |
| Packet Size (KB) | | 1024 |
| Type of Interface Supported Multiselect | | GE Copper |
| Number of 10G SFP+ interface | | NIL |
| Number of QSFP+ 40 G interface | | NIL |
| Number of GE Small Form-Factor Pluggable(SFP) interface | | NIL |
| Number of QSFP28 100 G interface | | NIL |
| Number of col /WAN Ports | | 2 |
| Number of Ipsec VPN Peers supported (Site to Site) | | 1985 |
| Number of Ipsec VPN Peers supported (Client to Site) | | 1985 |
| Number of SSL VPN Peers supported (Client to Site) | | 540 |
| Type of Storage Disk | | SSD |
| Power Supplies | | Single |
| Redundant Fan | | Yes |
| Type of Processor | | x86 |
| Interface Expansion slots supported | | 0 |
| Firewall Policies - License | | Yes |
| Details of the Firewall Policies for the Firewall provided with the License | Web security essential / URL Filter | Yes |
| | IPS License | Yes |
| | Application visibility license | Yes |
| | Gateway antivirus | Yes |
| | Gateway anti spam | Yes |
| | APT license (Anti malware protection, C&C Attack, Geo IP Protection ,Zero day Threat protection) | Yes |
| Security Intelligence | IP/Domain/URL/Passive detect end point/IOC intelligence | Yes |
| NGIPS Signature supported | | 30000 |
| IPv6 Ready from day 1 | | Yes |

*Due to continuous innovation and upgrades in our solutions, the specifications are subject to change.

Unified Security Gateway

The AnexGATE AG100+ is a powerful and Robust **USG** appliance designed for businesses with extensive network demands.



All-in-one Unified Security Gateway

Threat Management

- Firewall
- Intrusion Detection & Prevention
- Gateway Level Antivirus

Persistent Connectivity

- Multi WAN Uplinks
- Bandwidth Aggregation
- Auto Failover and Load balance
- Policy Based Routing
- 3G/4G USB Dongle/Tethering support
- High Availability

Next Generation Appliance

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

Productivity Assurance

- HotSPOT Mgmt. / BYOD
- Application Proxy (HTTP/HTTPS)
- Anti-Spam
- Web Content Filtering
- QoS/ Bandwidth Management
- Logging and real time monitoring
- Anti Malware
- Live View

Secure Access

- IPSec VPN
- Secure SSL VPN

CONNECTIVITY

SECURITY

PRODUCTIVITY

MANAGEABILITY

NETWORKING

- Multi Link Auto Failover.
- Support for 3G/4G :USB Dongle /Tethering
- Weighted Round Robin & Policy based Load balancing and **Bandwidth Aggregation**
- Transparent Mode, Route Mode ,L3 Bridge Mode
- Configurable LAN/WAN/DMZ Ports
- NAT- DNAT ,SNAT , 1 to1 NAT
- Routing - Static, Source , Destination & Policy based
- VLAN Tagging Support (802.1q)
- Split Horizon DNS
- TCP Session Adherence for Multi-WAN
- LACP Link Aggregation(802.3ad)
- L2 Bridge Mode
- NetMap

NETWORK SECURITY

- Stateful inspection Firewall
- Application Visibility and Control (AVC)
- Intrusion Detection and Prevention System [IPS]
- Demilitarized Zone (DMZ)
- Zone - based access control list
- Access scheduling
- Flooding detection and protection
- Automatic P2P Detection and Filtering
- Dynamic Protocol detection
- Reverse Shell Detection
- Strict DHCP Control
- Detect & Block fake services on Ports
- LAN user isolation
- Zero day / Malware Protection

WEB SECURITY

- Application proxy with Web cache
- Transparent Proxy (HTTP & HTTPS)
- Inbuilt Web Category Database
- Trusted Domains / URL / Wild Card Support
- Custom category upload support
- Safe search Enforcement
- Group & User Based Web Access Policies
- Time based Access control
- Content Filtering based on Weighted Phrase
- Private browsing support for management team
- HSTS Aware Proxy
- Domain Name based and/or Proxy Filtering

Virtual Private Networking [VPN]

IPSec VPN

- Encryption: 3DES,AES 128/192/256-bit, AES GCM, Camellia
- Hash algorithms: MD5, SHA1, SHA2, 256/384/512-bit, PRFSHA1, PRFSHA256
- Diffie Hellman modes: 1, 2, 5, 14, 15, 16, 17, 18, 22, 23, 24, 26, 32, 35
- Authentication: pre-shared key (PSK), IKEv1, IKEv2
- Dead Peer Detection (DPD)
- Perfect Forward Secrecy (PFS)

Secure SSL VPN

- Support Encryptions : **3DES,AES (128 & 256),RC2, Blowfish, AES GCM**
- Support Message integrity : MD-5, SHA-1, SHA (256 ,384 ,512)
- Multi-layered Client Authentication: Certificate & Password
- Support TCP & UDP Tunnelling
- Network access - Split and Full Tunnel Mode
- Granular access control based on MAC , IP & Port
- VPN client support for Windows, Linux & Mac OS
- Support for mobile devices (Android, iOS)
- VPN Site-to-Site
- VPN Client-to-Site (Road-warrior)
- High Availability support for VPN Servers.
- Virtual VPN Container for Isolation

HIGH AVAILABILITY

- Hot Standby (Active-Passive)(Active-Active)
- Device failure detection and notification
- Link monitoring & Heart Beat support
- Preempt mode support
- Auto-Sync configurations

LOGGING / MONITORING

- Comprehensive local logging / On-Appliance Reporting
- Email Alert - Multiple Mail Id
- 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, HTML
- Network Tools - nmap, ping trace route, speed test
- Graphical real-time and historical Monitoring

IDS/IPS

- Automatic Hourly Threat Intelligence and Signature Updates
- 200000+ threats updated hourly
- Custom IOC definition
- Search for IOC in database

Routing

- Static Routing
- Priority Based Routing
- RIP v1 / v2
- OSPF
- BGP

HotSPOT / BYOD

- AAA
- Configurable Captive Portal
- Multiple Authentication Mechanism
- SMS-based login / Authorise with OTP
- Time of day/day of week access rules.
- Bandwidth & Policy Control based on user ID
- Schedule based committed & burstable Bandwidth.
- Access Time / Time Quota /Data Quota Restriction Implement fair usage policy on user.
- Auto MAC binding to approved BYOD devices
- Remember user after first authentication(Smart Login).
- Option of MAC /IP /Device type Blacklisting
- Authentication server :Local, LDAP, AD, Local + OTP
- User accounts import/export via CSV.

QoS

- User/Group Based QoS
- Application based Bandwidth Allocation
- Define Custom applications

MANAGEMENT / GUI

- Three levels of users - Admin, **Operator/Monitor** Employee
- Web UI (HTTP and HTTPS)
- Configuration Backup & Rollback
- Firmware upgrade via web GUI

POWER

- Internal auto-ranging **100-240V AC, 50-60Hz**
- Consumption **60W**

ENVIROMENTAL

- Operating Temperature **-10°C to 60°C**
- Relative Humidity **10 to 75%**

COMPLIANCE

- Regulatory Compliance **FCC Class B,CE Emission, UL/cUL, RoHS**

HARDWARE SPECIFICATION

- Form Factor **1U Platform (Rack Mount)**

Testing Methodologies :-

- Maximum throughput performance is measured under ideal test conditions with applications disabled using industry standard performance test tools.
- Firewall throughput performance is based on RFC 2544 guidelines. All Performance values are "up to rough guideline only" and vary depending on system configuration.
- IPS throughput(http) using default IPS rule set and 512KB object size
- VPN throughput using multiple tunnels with 512KB response size
- Testing done with multiple flows through multiple port pairs



AnexGATE **ACE** AnexGATE **SECURE VPN**

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