



| FEATURES  |   | SPECIFICATIONS                            |
|---|---|---|
| Number of GE Copper interface (Ports)                                       |   | 6   |
| Type [NGFW / Firewall]  |   | NGFW                                      |
| Form Factor (RU)  |   | 1U  |
| Throughput with all features enabled (Under Test Condition) (Mbps)          |   | 3000                                      |
| Throughput (Real World/Prod Performance)(Under Test Condition) (Mbps) *     |   | 2600                                      |
| Concurrent Session/ Concurrent Connection                                   |   | 15M                                       |
| New session/Connection per second   |   | 162k                                      |
| High Availability   |   | Active to Active<br>Active to Passive     |
| Traffic handled   |   | 1.TCP<br>2.UDP<br>3.TCP/UDP<br>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                     |   | 4   |
| Number of QSFP28 100 G interface  |   | NIL                                       |
| Number of col /WAN Ports  |   | 4   |
| Number of Ipsec VPN Peers supported (Site to Site)                          |   | 3830                                      |
| Number of Ipsec VPN Peers supported (Client to Site)                        |   | 3830                                      |
| Number of SSL VPN Peers supported (Client to Site)                          |   | 1035                                      |
| Type of Storage Disk  |   | SSD                                       |
| Power Supplies  |   | Single                                    |
| Redundant Fan   |   | Yes                                       |
| Type of Processor   |   | x86                                       |
| Interface Expansion slots supported   |   | 1   |
| 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   |   | 40000                                     |
| IPv6 Ready from day 1   |   | Yes                                       |

## Unified Security Gateway

The AnexGATE AG1000 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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For Channel

