



FEATURES		SPECIFICATIONS
Number of GE Copper interface (Ports)		6+2SFP
Type [NGFW / Firewall]		NGFW
Form Factor (RU)		1U
Throughput with all features enabled (Under Test Condition) (Mbps)		12800
Throughput (Real World/Prod Performance)(Under Test Condition) (Mbps) *		12400
Concurrent Session/ Concurrent Connection		15M
New session/Connection per second		165k
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		4
Number of QSFP28 100 G interface		NIL
Number of col /WAN Ports		4
Number of Ipsec VPN Peers supported (Site to Site)		3890
Number of Ipsec VPN Peers supported (Client to Site)		3890
Number of SSL VPN Peers supported (Client to Site)		1050
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 / MONITERING

- 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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