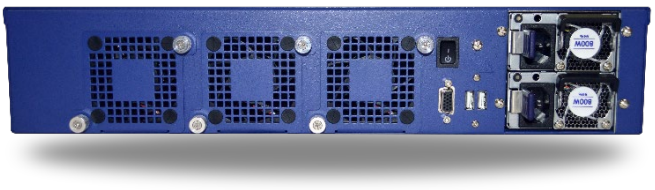
GajShield GS996nu is a context aware Data Security Firewall sitting right at the gateway, helping you to secure your enterprise beyond just the network.

DATASHEET

GS996nu

DATA SECURITY FIREWALL



DATA SECURITY FIREWALL APPROACH

Application Identification Engine

The Application Identification Engine identifies the application in use

Advanced Contextual data Classification

It Breaks Down the packet into multiple data points using Advanced Contextual Data Classification Engine

Visibility and Data Aware Policy

It checks and applies granular data security policies on the packet

Identify Policy Violation and Protection

Its further takes appropriate action on the packet to prevent data exploitation

DATA SECURITY FIREWALL SPECIFICATION

GS996nu FEATURES	SPECIFICATIONS
Ethernet Interfaces	8 Ports of 1Gbps Copper
Concurrent Sessions	30000000
New Sessions Per Second	320000
Firewall Throughput	72 Gbps
VPN Throughput	24.1 Gbps
NGFW Throughput	32 Gbps
Antivirus Throughput	20 Gbps
IPS Throughput	38 Gbps
Firewall IMIX Throughput	35 Gbps
VPN Tunnels	25000
Configurable WAN/LAN/DMZ ports	Yes
Redundant Hot-Swappable Power Supply	Yes
Redundant Hot-Swappable Fan	Yes
Number of Expandable Slots	7
Virtual firewall supported	25
Expandable Ports Module*	Ethernet Ports 4 or 8 / Fiber Ports 4 or 8 / 10GbE Fiber SFP+ Ports 2 or 4 / 40GbE Fiber QSFP+ 1or 2
High Availability (HA)	Active-Active, Active-Passive

*** Expandable Ports Module needs to be procured additionally and at a time only one Expandable Ports Module can be procured.**

DATA SECURITY FIREWALL

The Data Security Firewall is a leap ahead of the Last Generation firewall with its Data First Approach for security. It understands data, provides deeper visibility on data transactions, and allows control over threat surface. It takes appropriate security measures to prevent data exploitation. The Data security firewall is self-learning, smart security solution that learns various data patterns and user behavior to identify anomalies and threats, both intentional and unintentional.

The Data Security Firewall is a powerful and robust platform with various security solutions to help secure data and organization's network. The Data Security Firewall is powered by GajOS Bulwark and backed by Contextual Intelligence Engine for a deeper data level visibility.

Copyright © GajShield Infotech (I) Pvt. Ltd. All Rights Reserved

DATA SECURITY FIREWALL

- Application Identification Engine
- Advance Contextual Data Classification Engine
- Apply Visibility and Data Aware Policy
- Identify policy violation and protect against data exploitation

DATA LEAK PREVENTION

- Network based data leak prevention
- Prevent data leak on G Suit, Office 365, Popular Social Media, Web etc.
- Protect business critical data
- Scan for Data Leak on all outbound communication
- Alert on Data Security Policy violation
- Block Password Protected zip and PDF file uploads
- Block file uploads based on File Content, file type and size
- Time scheduling for DLP policies
- Visibility on Information sent as attachments on popular Webmail, Blogs, web uploads, SaaS, etc.

CONTEXTUAL VISIBILITY

- View Content of mail for Gmail, Outlook, Office 365, Rediff, Yahoo etc.
- Visibility of data transaction over HTTP, HTTPS, SMTP, SMTPS-SSL & Web Chats
- Data Transaction on SMTP mail, popular Web Mail and browser-based SaaS application
- View attachments attached with the mail
- View webmail draft attachments information
- visibility of evasive applications like P2P and Skype application accessed by users
- Identifies Who is accessing, which application,
- Visibility of application usage and data transaction on application
- Data transfer reporting (By Host, Group & IP Address)

DATA TRANSACTION LOG:

- Log of Data sent through
  - Web
  - Browser based SaaS
  - SMTP mails
  - Network
- Data Transaction logs from HTTP, HTTPS, SMTP, SMTPS-SSL & Web Chats
- Log Data context of the Popular webmail sites such as Gmail, Office 365, Yahoo and Rediff mail including To, CC, BCC, subject, body of the mail and attachment.
- Archive all types of file uploads on popular websites
- Mail archiving on SMTP & SMTP-SSL

REPORTING

- Identify the most bandwidth consuming users
- Identify application misuse and bandwidth abuse
- Identify work or non-work-related browsing
- Intrusion events reports
- Policy violations reports
- Virus reporting by User and IP Address
- Separate reporting for BYOD devices.
- Email alerts for Admin activity
- Application Traffic, Total Traffic, Application set and application detail

DATA CONTROL

- Control on Critical Data outflow
- Monitor/block & alert for data transactions on popular web-based emails like Gmail, Office 365, Yahoo, Rediff and Corporate web mails hosted on Gmail, Office 365, Yahoo, Rediff and social media platforms
- Accessing web mails in read only mode
- Entire internet in read only mode
- Block Context based application usage based on:
  - emails sender
  - recipient
  - subject & content
  - File attachments type
  - File attachment size
- User wise allow/block file transfer

POLICY CONTROL PLANE

- Quick action based on data security dashboard learnings
- Data Security Policies for user and user group
- Data Security Policies for IP address and IP group.
- Flexible Generic rules matching for Http header and Http Content
- Context based Data Security policy
- Content keyword-based data leak prevention policy
- user wise policies for accessing web mails like Gmail, Office 365, Yahoo and Rediff, web chats for Gmail hangout chat and Facebook webchat, social networking site Facebook & SMTP mail
- user wise policies to block content in body, subject of the popular web-based emails like Gmail, Office 365, Yahoo and Rediff
- Mail rules for Popular webmail sites like Gmail, Office 365, Yahoo and Rediff to match mails on Subject, From, To, CC, BCC, Msg Body, Msg Body Size, Attachment Text, Attachment Name, Attachment Size, Total Attachment Size, Attachment Type with a wide range of matching option. (is, is not, contains, does not contain, begins with, ends with)

POPULAR WEB CHAT SECURITY

- User wise allow/block web chat
- Live Chat Monitoring
- User wise allow/block file transfer
- User based web chat Archiving

VPN CLIENT

- IPsec compliant
- Inter-operability with major IPsec VPN Gateways
- Supported platforms: Windows 98, Me, NT4, 2000, XP, Vista, windows 7 & 10

INTRUSION PREVENTION SYSTEM

- Signatures: Default (25000+), Custom signatures
- Policy Based IPS, Anomaly Detection
- Automatic real-time updates & e-mail notification
- P2P applications signatures

ENTERPRISE CLOUD

- Visibility & Control over internet as well as secure access to corporate network
- Enforcing of security policies on roaming users

Copyright © GajShield Infotech (I) Pvt. Ltd. All Rights Reserved

NETWORKING

- Transparent Mode, Route Mode, Layer3 Bridge mode
- Static IP Address, PPPoE, DHCP support
- Policy based Multiple Link Auto Failover
- Policy based Load balancing
- Policy based routing based on Application and User
- DDNS/PPPoE Client
- Policy based NAT, Port Address Translation
- HTTP Proxy Mode, Parent proxy support
- IPv6 Ready
- Dynamic Routing: RIP v1& v2, OSPF
- Multicast Forwarding

BANDWIDTH MANAGEMENT

- Application and User based Bandwidth allocation
- Prioritize, shape or Limit bandwidth
- Priority based bandwidth allocation
- Multi WAN bandwidth reporting

VIRTUAL PRIVATE NETWORK – VPN

- IPsec, SSL, L2TP, PPTP
- Encryption - 3DES, DES, AES
- Hash Algorithms - MD5, SHA-1, SHA-2
- Authentication – Pre-shared key, Digital certificates, Xauth
- IPsec NAT Traversal
- Site to Site VPN Supported – 25000
- Client to Site VPN Supported – 25000
- SSL VPN Peers Supported – 15000
- Dead peer detection and PFS support
- Diffie Hellman Groups - 1,2,5,14,15,16
- External Certificate Authority support
- Export Road Warrior connection configuration
- Domain name support for tunnel end points
- Hardware Token: RSA, Vasco
- VPN connection failover

GATEWAY ANTI-SPAM

- Multiple spam classification
- Image-based spam Filtering
- Recurrent Pattern Detection on POP3, SMTP & SMTPS-SSL
- Independent of Content, Format, Language
- Real-time Blacklist (RBL), MIME header check
- Filter based on message From, To, Subject
- Subject line tagging
- Zero-hour Virus Outbreak
- Quarantine folder for Spam

GATEWAY ANTI-VIRUS

- Zero-hour Virus protection
- Advanced Persistent Threat
- Inline HTTP, HTTPS, FTP, SMTPS-SSL, SMTP, POP3, IMAP scan
- Virus, Worm, Trojan Detection & Removal
- Spyware, Malware, Phishing protection
- Automatic Real Time virus signature database update
- Scan by file size

AUTHENTICATION

- Support for multiple authentication schemes simultaneously
- Local database, Windows Domain Control & Active Directory Integration
- External LDAP/RADIUS/TACAS+ database Integration
- RSA, VASCO secure tokens

ADMINISTRATION

- Two-factor Authentication support
- Web-based configuration wizard
- Role-based administration
- Upgrades & changes via Web UI
- On Appliance Analytics
- Graphical real- time and historical monitoring
- Email notification of reports, viruses and attacks
- Syslog support
- Web GUI (HTTPS)
- Command Line Interface (Console, SSH)

HIGH AVAILABILITY

- Active/Active & Active/Passive with state synchronization
- Stateful Failover
- E-mail Alert on Appliance Status change

STATEFUL INSPECTION FIREWALL – ICSA CERTIFIED

- UserSense UTM - Policy combination of User, Source, IP and Service
- Policy based single window control for Firewall, DLP, BYOD, URL Filtering& Application Control.
- Anti-virus, Anti-spam, DLP and Bandwidth Management
- Access Scheduling
- Policy based Source & Destination NAT
- H.323 NAT Traversal, 802.1q VLAN Support
- DoS, DDoS, Syn Flood Attack prevention
- Policy creation based on BYOD
- Security Intelligence IP, URL, Domain. Passively Detect End Point, IOC Intelligence

APPLICATION FILTERING

- Control and Visibility of Layer 7 Applications
- Protects your Corporate users as well as BYOD devices
- Inbuilt Application Categories
- 5000+ Applications Signatures
- Schedule-based access control
- QoS Control over Layer 7 Applications

URL FILTERING

- Inbuilt Web Category Database
- Categories: Default (85+)
- URL, Domain, Keyword, File type block
- Mime type blocking
- Protocols Supported – HTTP, HTTPS
- Block Malware, Phishing, Pharming URLs
- Block Java Applets, Cookies, Active X
- URL Exempt/Whitelist

ADVANCED THREAT PROTECTION

- Ransomware Protection
- Malware Protection
- Multiple spam classification
- Image-based spam Filtering
- Recurrent Pattern Detection on POP3, SMTP & SMTPS-SSL
- Independent of Content, Format, Language
- Real-time Blacklist (RBL), MIME header check
- Filter based on message header, size, sender, recipient, subject line tagging etc.
- Zero-hour Virus Outbreak
- Anti-botnet security
- Quarantine folder for Spams

Copyright © GajShield Infotech (I) Pvt. Ltd. All Rights Reserved

GS996nu Hardware Specifications

Specifications

CPU Processor	Intel Multicore CPU
Power Option	Input Voltage: 90-240 V AC
Noise Level	16Hz (47~63Hz)
RAM	16GB expandable Upto 128 GB
Storage	1000GB HDD/ 1000GB SSD
Interface-External	• Button: Power & Reset • LED: Power/HDD/Ethernet • 2 x USB 3.0 port • 2 x USB 2.0 port • 1 x Micro USB type console • 1 System console Port • 2 x Management port • LCM module
Dimensions	570 mm x 438 mm x 88 mm
Environment	• Operating temperature: 0°C - 40°C • Storage temperature: -20°C - 75°C • Operating humidity: 10% - 90%
Supported expandable interface modules	• Copper: 4 port / 8 port • SFP: 2 port / 4 port / 8 port • SFP+: 2 port / 4 port • QSFP+: 1 port / 2 port
Form Factor (RU)	2RU (19-Inch Rack mountable)

Solutions

Copyright © GajShield Infotech (I) Pvt. Ltd. All Rights Reserved

24x7 Supports

GajShield is committed to delivering a high-quality customer experience. That means, you have a variety of award-winning support options to meet your needs, including.

- **Multi Language Support**
- **On Call Complete Assistance**
- **24*7 Availability**
- **Highly Trained Support Expert**
- **Turn Around Time - < 5mins**

- **24*7 Mail Support**
- **Descriptive Step by Step Assistance**
- **Quick response**
- **Support@gajshield.com**

- **Live Chat Support**
- **Instant access to Support Experts**
- **24*7 Chat assistance**
- **Human Assistance for unscripted support.**
- **www.gajshield.com**

GajShield Infotech (India) Pvt. Ltd.

Address: 4, Peninsula Center, Dr. S. S. Rao Road, Parel, Mumbai, India - 400012
Phone: +91 (22) 66607450 | Email: info@gajshield.com | www.gajshield.com

@gajshield | @gajshield-infotech | @GAJSHIELD | @gajshield

Copyright ©2020, GajShield InfoTech Pvt. Ltd.: All rights reserved. All specifications are subject to change without notice. GajShield InfoTech assumes no responsibility for any inaccuracies in this document or for any obligation to update information in this document. GajShield InfoTech reserves the right to change, modify, transfer, or otherwise revise this publication without notice. This document contains confidential information and should not be shared without obtaining permission from GajShield Infotech India Pvt. Ltd.