BYTESCREEN
CONNECT · DETECT · PROTECT

ByteSecure

Bytescreen NGFW

"Secure Every Byte with Bytescreen"

Bytescreen provides a comprehensive suite of advanced network solutions designed to enhance security, connectivity, and management. Our Next Generation Firewall (NGFW) offers robust protection with features like intrusion prevention, application control, and user identification to guard against evolving cyber threats.

BT-NS Series comes with the SD-WAN solution simplifies network management by leveraging software-defined technology, ensuring flexibility, improved performance, and cost efficiency. Our Network Management System (NMS) allows centralized monitoring of network devices, ensuring optimal performance and proactive issue resolution. Additionally, the AAA (Authentication, Authorization, and Accounting) framework secures network access, manages user authentication, and tracks activities to maintain a secure, compliant environment. Together, these solutions empower organizations to enhance security, streamline operations, and optimize performance.

BT-NS 650 Series
Product Specifications

Model	BT-NS 650 SERIES	
	BT-NS550	BT-NS650
Ethernet Interfaces	1GE x 8 ports	1GE x 12 ports
SFP Interface	1G SFP x 2 ports	1G SFP x 2 ports
Concurrent Sessions	16000000	18000000
New Sessions per Second	180,000	200,000
Firewall Throughput	34 Gbps	39 Gbps
NGFW Throughput	18 Gbps	21 Gbps
Firewall IMIX Throughput	20 Gbps	23 Gbps
IPS Throughput	17 Gbps	20 Gbps
Application Control Throughput	12 Gbps	14 Gbps
Antivirus Throughput	7 Gbps	8 Gbps
Threat Prevention Throughput	5 Gbps	6 Gbps
SSL Inspection Throughput	5 Gbps	6 Gbps
Expansion Slot	1	1
VPN Throughput	22 Gbps	25 Gbps
VPN Tunnels (Max)	1000	1000
PMTA Tunnel	50	50
High Availability (HA)	YES	YES
Processor	Multi-Core	Multi-Core
RAM	16 GB	16 GB
USB	1 USB 3.0	1 USB 3.0
Storage (SSD) in GB	128	128
Power Supplies	SINGLE	SINGLE
Operating Temperature	-10oC to 65oC	-10oC to 65oC
Operating Humidity	10% to 90%	10% to 90%

Features

Hardened and Crushproof OS	Vulnerability Assessment Dashboard
Aggregation between P2P/MPLS/ILL/DHCP/PPPoE/RF/VSAT/4G/5G	Advance IPS/IDS Signature Based
MPLS over 4G (Private APN)supported	VPN IPSec/SSL
LAN Micro Segmentation	Malicious URL detection
WAN and LAN Virtual Segmentation	DoS, DDoS Protection
Multi WAN Support Including LTE Network &	Gateway Anti-Virus
PMTA Based WAN Link Aggregation & Failover	Domain & Content Filter
AI-Based WAN Selection & Optimization	**Network DLP**
true SDN based SD-WAN solution.	Waight based contect filter
ISP Internet Link Health Check	Keyword, file extension block
Time Based Policy Scheduled	Security Intelligence IP, URL, Domain.
PMTA (Packet-based Multi Tunnel Aggregation)	Application Filter
Flexi LAN & WAN Port	SPI Firewall
Wi-Fi Controller to support Multi-brand Access Points	Deep Packet Inspection (DPI)
VLAN traffic visibility	SNI-Based HTTPS Domain Filter
AI based WAN selection and Optimization	Multi segmatetion IPS Policy
Static and Dynamic routing Support	IPS/IDS SNOT 3 Engine
Multi-Path Multi-Direction (MPMD)	Signatures: Default (500000+), Custom signatu
SD-WAN Tunnel Data Compression Support	Geo-Fencing / Geo Filtering
Auto-discover LAN connected devices	zero-day attacks Protection
Tunnel Rate Limit	Analyzes packet payloads to detect malware
ACL-Based DHCP Server	Threat intelligence
AES128/256 Bit Per Session Encryption & Compression	Network Management System (NMS)
IPS Signatures: Default (42000+), Custom signatures	UserSense UTM - Policy combination of User, Source
IP and Service	Advanced Persistent Threat
Policy based single window control for Firewall, DLP, BYOD	Inline HTTP, HTTPS, FTP, POP3, POP3S, IMAP, IMAPS, SMTPS and SMTP
URL Filtering& Application Control.	Virus, Worm, Trojan Detection & Removal
Anti-virus, Anti-spam, DLP and Bandwidth Management	Spyware, Malware, Phishing protection
Access Scheduling	Automatic Real Time virus signature database update
Policy based Source & Destination NAT	Scan by file size
H.323 NAT Traversal, 802.1q VLAN Suppor	Inbuilt Web Category Database
DoS, DDoS, Syn Flood Attack prevention	Categories: Default (+)
Policy creation based on BYOD	Support for multiple authentication schemes simultaneously
Security Intelligence IP, URL, Domain.	External LDAP/RADIUS/TACAS+/eDirectory database Integration
Control and Visibility of Layer 7 Applications	3000+ Applications Signatures
Protects your Corporate users as well as BYOD devices	Local database, Windows Domain Control & Active Directory Integration
Inbuilt Application Categories	Passively Detect End Point, IOC Intelligence
3000+ Applications Signatures	Schedule-based access control
QoS Control over Layer 7 Applications	

Features

Dynamic Time-based Key Rotation (Lifetime)	Zero Trust Protection
IDAM	Traffic Flow Analyzer connected devices.
Role Based Administration	Block URL Based on web patterns
NAS (Network Access Server)	Syn Flood Attack prevention
Quality of Service (QoS)	Anomaly Detection
Local DHCP & DNS Support	Zero hour virus Protection
Directory Services integration AD, LDAP, TACACS+, RADIUS	Search Engine search Protection
Packet Redundancy (Packet Duplication)	All LAN Device Discovery & Monitoring
DHCP Server and Client	CPU, RAM, HDD, Running application and sys services visibility
DHCP Reservation	SMS based auto-reboot and device recovery without manual intervention
LAN Security Audit and analysis	Power Outage alerts
SLA monitoring and alerts	visibility of the connected device OS Type, Patc Installed, Browser details, Application Name, installed date, Version, and Patches
Centralized logging	Policy Time scheduling
Syslog support	Centralize Network & Service Management
	Advance Logs & Reports
3rd Party REST Support	Advance GUI-Based Diagnostics Tool
Per interface, including VLAN data paket send details	Auto-discover ISP and SIM details

All Appliance managed by

FusionMaestro
Management Controller (Cloud & On-Prim)
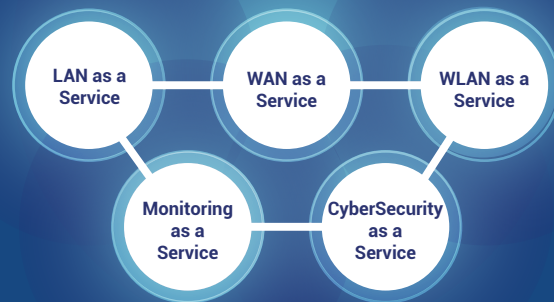**fusionm.bytescreentech.com**

Ordering Information

Model	Part	Description
BT-NS550	BT-NS550A	Bytescreen BT-NS550, 8 x 1GE, 2 x 1G SFP ports, 1 x Expansion Slot, Multi-core Processor, 16Gb RAM, Online Activation Warranty via Cloud Controlle
BT-NS650	BT-NS650A	Bytescreen BT-NS650, 12 x 1GE, 2 x 1G SFP ports, 1 x Expansion Slot, Multi-core Processor, 16Gb RAM, Online Activation Warranty via Cloud Controller

Licencing Type

License	Part Code	Description
Protect Base Licence	BT-BaseY1 BT-BaseY3 BT-BaseY5	Base Bundle Licence - Stateful Firewall, SD-WAN, VPN, IPS/IDS, Dpmain Filter, Application Filter, Catagory Filter, Gateway Anti-Virus, Threat Intel
ProtectPro Licence	BT-ProY1 BT-ProY3 BT-ProY5	Pro Bundle Licence - Stateful Firewall, SD-WAN, VPN, IPS/IDS, Dpmain Filter, Application Filter, Catagory Filter, Gateway Anti-Virus, Threat Intel, Content Filter, URL Filter, Zero day Protection, AP Controller, DPI, Network DLP

Bytescreen offering these services under your NaaS portfolio, you provide a comprehensive, scalable, and secure networking solution that appeals to businesses of all sizes.

LAN as a Service

WAN as a Service

WLAN as a Service

Monitoring as a Service

CyberSecurity as a Service

Meet FWaaS: The Cloud-Native Firewall for Modern Enterprises

As enterprises embrace cloud transformation, remote work, and complex hybrid networks, traditional firewalls struggle to keep pace. Enter Firewall as a Service (FWaaS) — a cloud-native security solution designed specifically for the demands of today's dynamic IT environments.

FWaaS delivers firewall protection directly from the cloud, removing the limitations of physical hardware and enabling organizations to secure users, applications, and data no matter where they are. With instant scalability, centralized management, and continuous threat intelligence, FWaaS empowers modern enterprises to protect their networks with unmatched agility and efficiency.

Key benefits of FWaaS for modern enterprises:

Anywhere Protection

Simplified Management

Continuous Updates

Seamless Scalability

Cost Effective
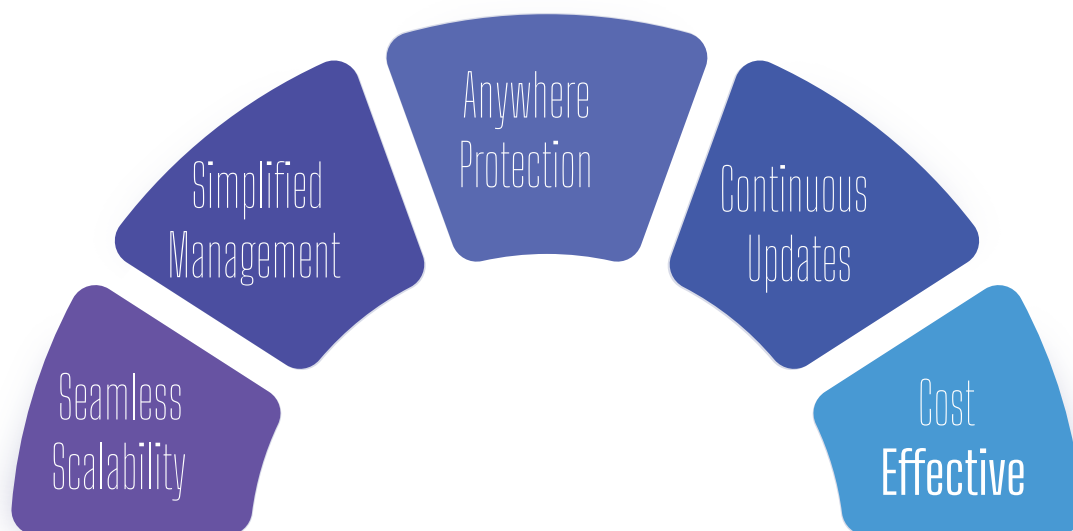
Meet FWaaS — the future-proof firewall solution that matches the pace of modern business.

BYTESCREEN CYBERSECURITY BUNDLE

XDR

SIEM

EMAIL SECURITY

NMS

DLP
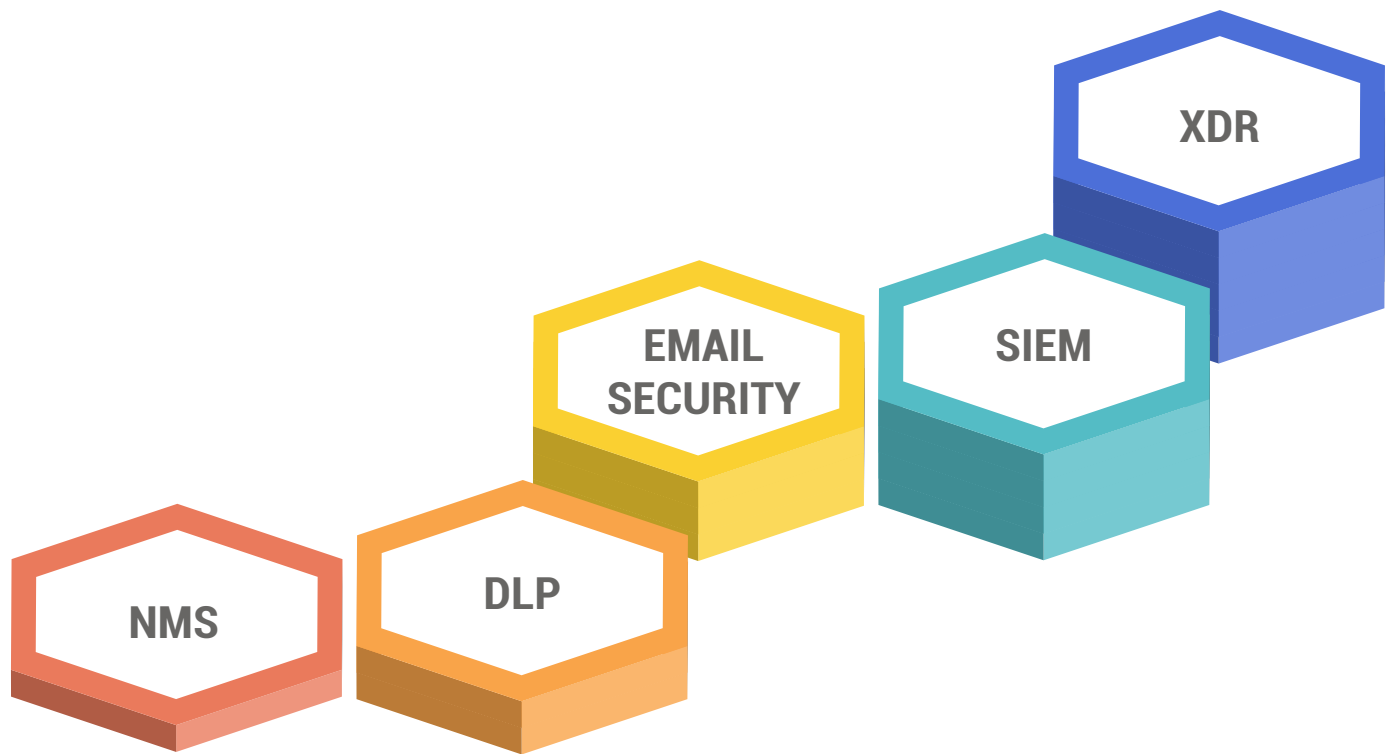
BYTESCREEN MANAGEMENT TOOL *(FusionMaestro)*

65%

35%

50%

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BYTESCREEN Tech Pvt Ltd stands firm in our mission to redefine the landscape of networking solutions through innovation, reliability, and customer-centricity. We are committed to pushing the boundaries of technology to deliver products and services that not only meet but exceed the evolving needs of our clients. As we continue to evolve & grow, our dedication to excellence remains unwavering. We invite you to explore our comprehensive range of networking solutions, tailored to empower businesses of all sizes and industries to thrive in the digital era. Whether you're seeking robust security measures, seamless connectivity, or advanced management tools, BYTESCREEN Tech is here to support your
journey towards success.

Contact Details:

For inquiries, collaboration opportunities, or to learn more about how BYTESCREEN Tech can elevate your network infrastructure, please don't hesitate to reach out to us.

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www.bytescreentech.com

Need Help? Get BYTESCREEN Expert Support

Bytescreen offers direct OEM assistance through experienced professionals for product configuration and support. TAC advises customers on security best practices to enhance network reliability and prevent hacking attempts.

For Technical Assist: support@bytescreentech.com