

DATASHEET
BT-NS Series



BYTESCREEN
| CONNECT • DETECT • PROTECT |

ByteSecure

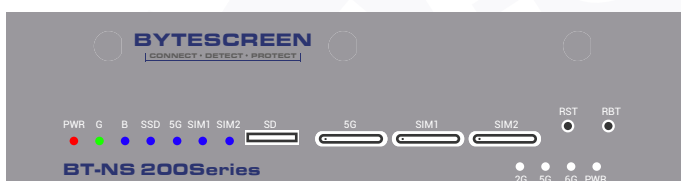
Bytescreen NGFW

"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 200 Series Product Specifications

BT-NS 200 SERIES		
Model	BT-NS50	BT-NS100
Ethernet Interfaces	4 x 1GE, 2 x 10G SFP+	4 x 1GE, 2 x 10G SFP+
SIM Support (4G / 5G)	2 x 4G	2 x 4G
Concurrent Sessions	250,000	250,000
New Sessions per Second	15,000	15,000
Firewall Throughput (Mbps)	800	950
NGFW Throughput (Mbps)	480	570
Firewall IMIX Throughput (Mbps)	560	665
IPS Throughput (Mbps)	400	475
Application Control Throughput (Mbps)	480	570
Antivirus Throughput (Mbps)	480	570
Threat Prevention Throughput (Mbps)	160	190
SSL Inspection Throughput (Mbps)	80	95
VPN Throughput (Site-to-Site) (Mbps)	400	475
VPN Throughput (Remote Access)(Mbps)	240	285
VPN Tunnels (Max)	300	300
PMTA Tunnel	50	50
High Availability (HA)	YES	YES
Processor	Multi-Core	Multi-Core
RAM	4 GB	4 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%

BT-NS 300 Series

Product Specifications

Model	BT-NS 300 SERIES	
	BT-NS200	BT-NS300
Ethernet Interfaces	6 x 1GE	6 x 1GE
SIM Support (4G / 5G)	1x 4G (Optimal)	1x 4G (Optimal)
Concurrent Sessions	300,000	300,000
New Sessions per Second	20,000	20,000
Firewall Throughput (Mbps)	1200	1500
NGFW Throughput (Mbps)	720	900
Firewall IMIX Throughput (Mbps)	840	1050
IPS Throughput (Mbps)	600	750
Application Control Throughput (Mbps)	720	900
Antivirus Throughput (Mbps)	720	900
Threat Prevention Throughput (Mbps)	240	300
SSL Inspection Throughput (Mbps)	120	150
VPN Throughput (Site-to-Site) (Mbps)	600	750
VPN Throughput (Remote Access)(Mbps)	360	450
VPN Tunnels (Max)	500	500
PMTA Tunnel	300	300
High Availability (HA)	YES	YES
Processor	Multi-Core	Multi-Core
RAM	8 GB	8 GB
USB	1 USB 3.0	1 USB 3.0
Storage (SSD) in GB	240	240
Power Supplies	SINGLE	SINGLE
Operating Temperature	-10oC to 65oC	-10oC to 65oC
Operating Humidity	10% to 90%	10% to 90%

BT-NS 500 Series

Product Specifications

Model	BT-NS 500 SERIES	
	BT-NS400	BT-NS500
Ethernet Interfaces	8 x 1GE	8 x 1GE
SIM Support (4G / 5G)	NO	NO
Concurrent Sessions	700,000	700,000
New Sessions per Second	30,000	30,000
Firewall Throughput (Mbps)	2500	3000
NGFW Throughput (Mbps)	1500	1800
Firewall IMIX Throughput (Mbps)	1750	2100
IPS Throughput (Mbps)	1250	1500
Application Control Throughput (Mbps)	1500	1800
Antivirus Throughput (Mbps)	1500	1800
Threat Prevention Throughput (Mbps)	500	600
SSL Inspection Throughput (Mbps)	250	300
VPN Throughput (Site-to-Site) (Mbps)	1250	1500
VPN Throughput (Remote Access)(Mbps)	750	900
VPN Tunnels (Max)	800	800
PMTA Tunnel	500	500
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	240	240
Power Supplies	SINGLE	SINGLE
Operating Temperature	-10oC to 65oC	-10oC to 65oC
Operating Humidity	10% to 90%	10% to 90%

BT-NS 1000 Series

Product Specifications

BT-NS 1000 SERIES		
Model	BT-NS750	BT-NS1000
Ethernet Interfaces	8 x 1GE, 2 x 10G SFP+	8 x 1GE, 2 x 10G SFP+
SIM Support (4G / 5G)	No	No
Concurrent Sessions	4,000,000	4,000,000
New Sessions per Second	45,000	45,000
Firewall Throughput (Mbps)	7000	8000
NGFW Throughput (Mbps)	4200	4800
Firewall IMIX Throughput (Mbps)	4900	5600
IPS Throughput (Mbps)	3500	4000
Application Control Throughput (Mbps)	4200	4800
Antivirus Throughput (Mbps)	4200	4800
Threat Prevention Throughput (Mbps)	1400	1600
SSL Inspection Throughput (Mbps)	700	800
VPN Throughput (Site-to-Site) (Mbps)	3500	4000
VPN Throughput (Remote Access)(Mbps)	2100	2400
VPN Tunnels (Max)	2,000	2,000
PMTA Tunnel	1,000	1,000
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	240	240
Power Supplies	SINGLE	SINGLE
Operating Temperature	-10oC to 65oC	-10oC to 65oC
Operating Humidity	10% to 90%	10% to 90%

BT-NS 2500 Series

Product Specifications

BT-NS 2500 SERIES		
Model	BT-NS1500	BT-NS2500
Ethernet Interfaces	8 x 1GE, 4 x 10G SFP+	8 x 1GE, 4 x 10G SFP+
SIM Support (4G / 5G)	No	No
Concurrent Sessions	20,000,000	20,000,000
New Sessions per Second	300,000	300,000
Firewall Throughput (Mbps)	10000	12000
NGFW Throughput (Mbps)	6000	7200
Firewall IMIX Throughput (Mbps)	7000	8400
IPS Throughput (Mbps)	5000	6000
Application Control Throughput (Mbps)	6000	7200
Antivirus Throughput (Mbps)	6000	7200
Threat Prevention Throughput (Mbps)	2000	2400
SSL Inspection Throughput (Mbps)	1000	1200
VPN Throughput (Site-to-Site) (Mbps)	5000	6000
VPN Throughput (Remote Access)(Mbps)	3000	3600
VPN Tunnels (Max)	20,000	20,000
PMTA Tunnel	5,000	5,000
High Availability (HA)	YES	YES
Processor	Multi-Core	Multi-Core
RAM	32 GB	32 GB
USB	1 USB 3.0	1 USB 3.0
Storage (SSD) in GB	240	240
Power Supplies	DUAL	DUAL
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 & PMTA Based WAN Link Aggregation & Failover	Gateway Anti-Virus
AI-Based WAN Selection & Optimization	Domain & Content Filter
true SDN based SD-WAN solution.	75+ Categories
ISP Internet Link Health Check	Waight based context filter
Time Based Policy Scheduled	Keyword, file extension block
PMTA (Packet-based Multi Tunnel Aggregation)	Security Intelligence IP, URL, Domain.
Flexi LAN & WAN Port	Application Filter
Wi-Fi Controller to support Multi-brand Access Points	SPI Firewall
VLAN traffic visibility	Deep Packet Inspection (DPI)
AI based WAN selection and Optimization	SNI-Based HTTPS Domain Filter
Static and Dynamic routing Support	Multi segmatetion IPS Policy
Multi-Path Multi-Direction (MPMD)	IPS/IDS SNOT 3 Engine
SD-WAN Tunnel Data Compression Support	Signatures: Default (500000+), Custom signatures
Auto-discover LAN connected devices	Geo-Fencing / Geo Filtering
Tunnel Rate Limit	zero-day attacks Protection
ACL-Based DHCP Server	Analyzes packet payloads to detect malware
AES128/256 Bit Per Session Encryption & Compression	Threat intelligence
Dynamic Time-based Key Rotation (Lifetime)	Network Management System (NMS)
IDAM	Zero Trust Protection
Role Based Administration	Traffic Flow Analyzer connected devices.
NAS (Network Access Server)	Block URL Based on web patterns
Quality of Service (QoS)	Syn Flood Attack prevention
Local DHCP & DNS Support	Anomaly Detection
Directory Services integration AD, LDAP, TACACS+, RADIUS	Zero hour virus Protection
Packet Redundancy (Packet Duplication)	Search Engine search Protection
DHCP Server and Client	All LAN Device Discovery & Monitoring
DHCP Reservation	CPU, RAM, HDD, Running application and system services visibility
LAN Security Audit and analysis	SMS based auto-reboot and device recovery without manual intervention
SLA monitoring and alerts	Power Outage alerts
Centralized logging	visibility of the connected device OS Type, Patch Installed, Browser details, Application Name, installed date, Version, and Patches
Syslog support	Policy Time scheduling
3rd Party REST Support	Centralize Network & Service Management
Per interface, including VLAN data paket send details	Advance Logs & Reports
	Advance GUI-Based Diagnostics Tool
	Auto-discover ISP and SIM details

All Appliance managed by

FusionMaestro

Management Controller (Cloud & On-Prim)

Login: www.fusionm.bytescreentech.com

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Ordering Information

Model	Part Code	Description
BT-NS50	BT-NS50A	Bytescreen BT-NS50, 4x1GBE, 2x10G SFP+, 2x4G LTE SIM, Online Activation Warranty via Cloud Controller
BT-NS50	BT-NS50AW	Bytescreen BT-NS50, 4x1GBE, 2x10G SFP+, 2x4G LTE SIM, WIFI, Online Activation Warranty via Cloud Controller
BT-NS100	BT-NS100A	Bytescreen BT-NS100, 4x1GBE, 2x10G SFP+, 2x4G LTE SIM, Online Activation Warranty via Cloud Controller
BT-NS100	BT-NS100AW	Bytescreen BT-NS100, 4x1GBE, 2x10G SFP+, 2x4G LTE SIM, WIFI, Online Activation Warranty via Cloud Controller
BT-NS-200C	BT-NS200C8A	Bytescreen BT-NS300, 6x1GBE, Online Activation Warranty via Cloud Controller
BT-NS300C	BT-NS300C8A	Bytescreen BT-NS300, 6x1GBE, Online Activation Warranty via Cloud Controller
BT-NS400C3	BT-NS400C316A	Bytescreen BT-NS500, 1U, 8x1GBE, 1xExpendable Bay, Online Activation Warranty via Cloud Controller
BT-NS500C3	BT-NS500C316A	Bytescreen BT-NS500, 1U, 8x1GBE, 1xExpendable Bay, Online Activation Warranty via Cloud Controller
BT-NS750C7	BT-NS750C716A	Bytescreen BT-NS500, 1U, 8x1GBE, 2x10G SFP+, Online Activation Warranty via Cloud Controller
BT-NS1000C7	BT-NS1000C716A	Bytescreen BT-NS500, 1U, 8x1GBE, 2x10G SFP+, Online Activation Warranty via Cloud Controller
BT-NS1500x	BT-NS1500x32A	Bytescreen BT-NS500, 1U, 8x1GBE, 4x10G SFP+, Online Activation Warranty via Cloud Controller
BT-NS2500x	BT-NS2500x32A	Bytescreen BT-NS500, 1U, 8x1GBE, 4x10G SFP+, Online Activation Warranty via Cloud Controller

Licencing Type

License	Part Code	Description
1 Year Advance	BT-ADV1YB	1 year Advance Bundle License includes Stateful firewall features, SD-WAN, Content Filter, Application Control, IPSec VPN, SSL VPN, IDAM, CIPS, VA, Gateway (Signature Update), Cloud Fusion Maestro Access with 8x5 Support
3 Year Advance	BT-ADV3YB	3 year Advance Bundle License includes Stateful firewall features, SD-WAN, Content Filter, Application Control, IPSec VPN, SSL VPN, IDAM, CIPS, VA, Gateway (Signature Update), Cloud Fusion Maestro Access with 8x5 Support
1 Year Professional	BT-PRO1YB	1 year Professional Bundle License includes Stateful & Next Gen firewall features (Optimum), SD-WAN, Content Filter, Application Filter, IPSec VPN, SSL VPN, Malicious URL detection, IDAM, SSL offload, VA, Gateway Antivirus (Signature Update), Threat Intel, CIPS & IPS/IDS (Signature Update), Cloud Fusion Maestro Access with 8x5 Support
3 Year Professional	BT-PRO3YB	3 year Professional Bundle License includes Stateful & Next Gen firewall features (Optimum), SD-WAN, Content Filter, Application Filter, IPSec VPN, SSL VPN, Malicious URL detection, IDAM, SSL offload, VA, Gateway Antivirus (Signature Update), Threat Intel, CIPS & IPS/IDS (Signature Update), Cloud Fusion Maestro Access with 8x5 Support
1 Year Complete	BT-COM1YB	1 year Complete Bundle License includes Stateful & Next Gen firewall features (Optimum), SD-WAN, Content Filter, Application Filter, IPSec VPN, SSL VPN, Malicious URL detection, IDAM, SSL offload, VA, Gateway Antivirus (Signature Update), Threat Intel, CIPS & IPS/IDS (Signature Update), Network Visibility (NMS), Cloud Fusion Maestro Access with 8x5 support
3 Year Complete	BT-COM3YB	3 year Complete Bundle License includes Stateful & Next Gen firewall features (Optimum), SD-WAN, Content Filter, Application Filter, IPSec VPN, SSL VPN, Malicious URL detection, IDAM, SSL offload, VA, Gateway Antivirus (Signature Update), Threat Intel, CIPS & IPS/IDS (Signature Update), Network Visibility (NMS), Cloud Fusion Maestro Access with 8x5 support

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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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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