



Product Matrix

Technical Specifications
for Hardware Appliances,
Virtual Appliances, and
Subscription Resources

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Performance and Optional Specifications

	BBX50	BBX80	BBX90	BBX180	BBX200
Firewall Throughput (UDP)	7.2 Gbps	10 Gbps	15 Gbps	15 Gbps	20 Gbps
Concurrent Connections	6.000.000	6.000.000	7.500.000	12.000.000	8.200.000
New Connections Per Second	40.000	45.000	60.000	100.000	90.000
NGFW Throughput (IMIX)	510 Mbps	850 Mbps	1.4 Gbps	1.6 Gbps	2.5 Gbps
SSL Inspection Throughput	420 Mbps	700 Mbps	1.3 Gbps	1.4 Gbps	2.0 Gbps
IPS Throughput	810 Mbps	1.3 Gbps	2.8 Gbps	3.0 Gbps	3.0 Gbps
Application Control Throughput *	920 Mbps	1.3 Gbps	2.2 Gbps	3.0 Gbps	3.0 Gbps
Threat Protection Throughput	510 Mbps	700 Mbps	1.5 Gbps	1.8 Gbps	2.0 Gbps
IPSEC VPN Throughput (AES-256 + SHA256)	1.1 Gbps	2.0 Gbps	4.0 Gbps	4.2 Gbps	4.3 Gbps
SSL VPN Throughput (AES-256)	500 Mbps	1.2 Gbps	1.8 Gbps	2.7 Gbps	2.0 Gbps
Form Factor	Desktop	Desktop	Desktop / 1U Rack 19"	Desktop / 1U Rack 19"	1U Rack 19"
Interfaces RJ45 1 GbE	4	*	*	*	6 - 8 - 10 (Optional)
Interfaces RJ45 2.5 GbE	*	4	6	6	*
Interfaces Fiber 1 GbE	*	*	*	*	2 - 4 (Optional)
Interfaces Fiber 10 GbE	*	*	*	*	2 - 4 (Optional)
Interfaces Fiber 25 GbE	*	*	*	*	*
Interfaces Fiber 40 GbE	*	*	*	*	*
Interfaces Fiber 100 GbE	*	*	*	*	*
Local Storage	64 GB	64 GB	64 GB	64 GB	120 GB
Redundant PSUs	*	*	*	*	*

Optional					
LTE 3G/4G	YES (up to 2 modems)	YES (up to 2 modems)	YES (up to 2 modems)	YES (up to 2 modems)	YES (up to 2 modems)
5G	*	*	YES	YES	*
Wi-Fi	YES	YES	*	*	YES
Local Storage	120 GB or 240 GB	120 GB or 240 GB	120 GB or 240 GB	120 GB or 240 GB	240 GB

	BBX500	BBX700	BBX900	BBX1200
Firewall Throughput (UDP)	30 Gbps	35 Gbps	40 Gbps	45 Gbps
Concurrent Connections	16.000.000	20.000.000	22.000.000	23.000.000
New Connections Per Second	105.000	120.000	138.000	180.000
NGFW Throughput (IMIX)	3.0 Gbps	3.6 Gbps	4.2 Gbps	5.6 Gbps
SSL Inspection Throughput	2.3 Gbps	2.5 Gbps	2.8 Gbps	4.0 Gbps
IPS Throughput	5.1 Gbps	6.0 Gbps	7.0 Gbps	10 Gbps
Application Control Throughput *	5.0 Gbps	6.0 Gbps	7.0 Gbps	9.5 Gbps
Threat Protection Throughput	2.5 Gbps	2.5 Gbps	3.0 Gbps	4.8 Gbps
IPSEC VPN Throughput (AES-256 + SHA256)	5.0 Gbps	6.0 Gbps	6.8 Gbps	9.1 Gbps
SSL VPN Throughput (AES-256)	2.0 Gbps	2.0 Gbps	2.5 Gbps	3.8 Gbps
Form Factor	1U Rack 19"	1U Rack 19"	1U Rack 19"	1U Rack 19"
Interfaces RJ45 1 GbE	8	8	8 - 10 - 12 (Optional)	8 - 10 - 12 (Optional)
Interfaces RJ45 2.5 GbE	*	*	*	*
Interfaces Fiber 1 GbE	4 (Optional)	4 (Optional)	2 - 4 (Optional)	2 - 4 (Optional)
Interfaces Fiber 10 GbE	4 (Optional)	4 (Optional)	2 - 4 (Optional)	2 - 4 (Optional)
Interfaces Fiber 25 GbE	*	*	*	*
Interfaces Fiber 40 GbE	*	*	*	*
Interfaces Fiber 100 GbE	*	*	*	*
Local Storage	240 GB	240 GB	240 GB	240 GB
Redundant PSUs	*	*	*	YES

Optional				
LTE 3G/4G	*	*	*	*
5G	*	*	*	*
Wi-Fi	*	*	*	*
Local Storage	480 GB	480 GB	480 GB	480 GB

Performance and Optional Specifications

	BBX1500	BBX3000	BBX3600	BBX4200	BBX5000
Firewall Throughput (UDP)	65 Gbps	240 Gbps	240 Gbps	240 Gbps	240 Gbps
Concurrent Connections	25.000.000	30.000.000	45.000.000	55.000.000	70.000.000
New Connections Per Second	200.000	300.000	400.000	520.000	900.000
NGFW Throughput (IMIX)	6.5 Gbps	13 Gbps	20 Gbps	26 Gbps	45 Gbps
SSL Inspection Throughput	5.5 Gbps	10 Gbps	12 Gbps	14 Gbps	20 Gbps
IPS Throughput	12 Gbps	15 Gbps	18 Gbps	23 Gbps	32 Gbps
Application Control Throughput *	10 Gbps	15 Gbps	18 Gbps	25 Gbps	35 Gbps
Threat Protection Throughput	5.5 Gbps	10 Gbps	12 Gbps	14 Gbps	20 Gbps
IPSEC VPN Throughput (AES-256 + SHA256)	10 Gbps	55 Gbps	55 Gbps	55 Gbps	55 Gbps
SSL VPN Throughput (AES-256)	5.0 Gbps	8.0 Gbps	10 Gbps	12 Gbps	16 Gbps
Form Factor	1U Rack 19"	2U Rack 19"	2U Rack 19"	2U Rack 19"	2U Rack 19"
Interfaces RJ45 1 GbE	8 - 20 (Optional)	8 - 64 (Optional)	8 - 64 (Optional)	8 - 64 (Optional)	8 - 64 (Optional)
Interfaces RJ45 2.5 GbE	*	8 - 64 (Optional)	8 - 64 (Optional)	8 - 64 (Optional)	8 - 64 (Optional)
Interfaces Fiber 1 GbE	20 (Optional)	32 (Optional)	32 (Optional)	32 (Optional)	32 (Optional)
Interfaces Fiber 10 GbE	8 (Optional)	32 (Optional)	32 (Optional)	32 (Optional)	32 (Optional)
Interfaces Fiber 25 GbE	4 (Optional)	24 (Optional)	24 (Optional)	24 (Optional)	24 (Optional)
Interfaces Fiber 40 GbE	4 (Optional)	8 (Optional)	8 (Optional)	8 (Optional)	8 (Optional)
Interfaces Fiber 100 GbE	*	8 (Optional)	8 (Optional)	8 (Optional)	8 (Optional)
Local Storage	480 GB	1 TB	1 TB	1 TB	1 TB
Redundant, Hot-swap, load-sharing PSUs	YES	YES	YES	YES	YES
Optional					
LTE 3G/4G	*	*	*	*	*
5G	*	*	*	*	*
Wi-Fi	*	*	*	*	*
Local Storage	1 TB	2x 1 TB RAID 0,1 or 2 TB	2x 1 TB RAID 0,1 or 2 TB	2x 1 TB RAID 0,1 or 2 TB	2x 1 TB RAID 0,1 or 2 TB
BMC/IPMI	*	YES	YES	YES	YES

* Our appliances are automatic bivolt, operating at 110/220 V~ within the 50/60 Hz frequency range.

* All appliances use SSD or NVMe storage, designed for data center environments and featuring PLP (Power Loss Protection) support.

Technical Description

Deployment Options

Hardware Appliance	Virtual Appliance	Cloud Instance
<ul style="list-style-type: none"> • Maximum Performance • Guaranteed Stability • Fast Installation • LED Indicators for Interface and Power Supplies 	<ul style="list-style-type: none"> • Greater Scalability • Faster Disaster Recovery • Infrastructure Optimization 	<ul style="list-style-type: none"> • AWS, Oracle, Azure, Google and IBM

Virtual Appliance Model Specifications

Description	Overall Throughput (UDP)	NGFW Throughput (IMIX)
BBX50	7.2 Gbps	510 Mbps
BBX80	10 Gbps	850 Mbps
BBX90	15 Gbps	1.4 Gbps
BBX180	15 Gbps	1.6 Gbps
BBX200	20 Gbps	2.5 Gbps
BBX500	30 Gbps	3.0 Gbps
BBX700	35 Gbps	3.6 Gbps
BBX900	40 Gbps	4.2 Gbps
BBX1200	45 Gbps	5.6 Gbps
BBX1500	65 Gbps	6.5 Gbps
BBX3000	240 Gbps	13 Gbps
BBX3600	240 Gbps	20 Gbps
BBX4200	240 Gbps	26 Gbps
BBX5000	240 Gbps	45 Gbps

Features per Subscription

	Secure SD-WAN	AC & SWG	IPS & ATP	Manager & Analyser
Firewall	✓			
SD-WAN	✓			
Multilink	✓			
QoS Traffic Shaping	✓			
VPN IPsec & SSL	✓			
High Availability & Cluster	✓			
RMA	✓			
Support	✓			
Hotfix, Patches and Upgrades	✓			
Application Control		✓		
Secure Web Gateway		✓		
DNS Content Filter		✓		
Anti-Malware			✓	
Intrusion Prevent System			✓	
Advanced Threat Protection			✓	
AI Inline Sandbox			✓	
Cloud Sandbox			✓ (Optional)	
Global Management				✓
Centralized Analysis				✓
Zero Touch Provisioning				✓

* Secure SD-WAN Subscription is Mandatory