

Blockbit Networks Compatibility Matrix

Specifications

Model	BB 2	BB 5	BB 10	BB 30	BB 50	BB 100	BB 200	BB 500	BB 1000	BB 2000	BB 10000	BB 15000	BB 20000	BB 30000
Firewall Throughput (UDP)	3.7 Gbps	4 Gbps	6 Gbps	6 Gbps	8 Gbps	10 Gbps	15 Gbps	20 Gbps	35 Gbps	55 Gbps	80 Gbps	100 Gbps	160 Gbps	200 Gbps
Concurrent Connections	3.5 MM	4 MM	6 MM	6 MM	7 MM	8.2 MM	10.2 MM	12 MM	18 MM	22 MM	30 MM	45 MM	55 MM	70 MM
New Connections Per Second	35.000	37.000	38.000	38.000	42.000	55.000	75.000	80.000	120.000	200.000	300.000	400.000	520.000	700.000
NGFW Throughput (IMIX) ¹	150 Mbps	200 Mbps	350Mbps	350Mbps	1 Gbps	1.6 Gbps	1.8 Gbps	2 Gbps	2.8 Gbps	5 Gbps	7 Gbps	12 Gbps	20 Gbps	30 Gbps
Web Filter Throughput	300 Mbps	400 Mbps	600 Mbps	600 Mbps	1.5 Gbps	2 Gbps	3 Gbps	4 Gbps	6 Gbps	10 Gbps	12 Gbps	15 Gbps	25 Gbps	35 Gbps
SSL Inspection Throughput	100 Mbps	150 Mbps	200 Mbps	200 Mbps	750 Mbps	1 Gbps	1.2 Gbps	1.4 Gbps	2.2 Gbps	4.5 Gbps	6 Gbps	8 Gbps	12 Gbps	20 Gbps
IPS Throughput	500 Mbps	700 Mbps	1 Gbps	1 Gbps	1.5 Gbps	2 Gbps	3 Gbps	4 Gbps	6 Gbps	9 Gbps	12 Gbps	15 Gbps	23 Gbps	30 Gbps
Application Control Throughput	70 Mbps	100 Mbps	200 Mbps	200 Mbps	700 Mbps	1 Gbps	1.4 Gbps	1.6 Gbps	2 Gbps	5 Gbps	7 Gbps	10 Gbps	16 Gbps	24 Gbps
Threat Protection Throughput	100 Mbps	150 Mbps	200 Mbps	200 Mbps	500 Mbps	700 Mbps	950 Mbps	1 Gbps	1.5 Gbps	4.5 Gbps	6 Gbps	9.6 Gbps	12 Gbps	18 Gbps
IPSEC VPN Throughput (AES-256+SHA256)	250 Mbps	280 Mbps	500 Mbps	500 Mbps	1.5 Gbps	2 Gbps	3 Gbps	4 Gbps	5 Gbps	10 Gbps	15 Gbps	18 Gbps	25.6 Gbps	30 Gbps
SSL VPN Throughput (AES-256)	100 Mbps	140 Mbps	250 Mbps	250 Mbps	1 Gbps	1.5 Gbps	1.5 Gbps	1.6 Gbps	2 Gbps	6.5 Gbps	7 Gbps	8 Gbps	11 Gbps	15 Gbps
Network Interfaces (Gigabit Ethernet – RJ45)	4X	4X	4X	6X	6X	6X	8X	8X	8X	8X	8X	8X	8X	8X
Max G/W to G/W IPSEC Tunnels	10	20	50	50	200	250	300	400	500	700	1000	1500	2000	3000
Max Client to G/W IPSEC Tunnels	20	50	150	150	500	550	600	700	1000	1300	2000	3000	4000	5000
Physical characteristics	1U for Desktop	1U for Desktop	1U for Desktop	1U for Desktop	1U for Rack 19"	1U for Rack 19"	1U for Rack 19"	1U for Rack 19"	1U for Rack 19"	1U for Rack 19"	2U for Rack 19"	2U for Rack 19"	2U for Rack 19"	2U for Rack 19"

Optional

Model	BB 2	BB 5	BB 10	BB 30	BB 50	BB 100	BB 200	BB 500	BB 1000	BB 2000	BB 10000	BB 15000	BB 20000	BB 30000
Solid State Drive (SSD)	64/120 GB	64/120 GB	120/240 GB	120/240 GB	240 GB	240 GB	480 GB	480 GB	480 GB	480 GB	600 GB	600 GB	2 TB	2 TB
LTE 3G/4G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	–	–	–	–	–
RAID 0/1	–	–	–	–	–	–	–	–	–	–	Yes	Yes	Yes	Yes
40GbE Network Module - 2 QSFP + Ports	–	–	–	–	–	–	–	–	–	–	Yes	Yes	Yes	Yes
10GbE Network Module - 4 SFP + Ports	–	–	–	–	–	–	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1GbE Network Module - 4 SFP Ports	–	–	–	–	–	–	Yes	Yes	Yes	–	–	–	–	–
1GbE Network Module - 8 SFP Ports	–	–	–	–	–	–	–	–	–	Yes	Yes	Yes	Yes	Yes
10GbE Network Module - 2 SFP + Ports With Bypass	–	–	–	–	–	–	–	–	–	–	Yes	Yes	Yes	Yes
1GbE Network Module - 4 SFP + Ports With Bypass	–	–	–	–	–	–	–	–	–	Yes	Yes	Yes	Yes	Yes
1GbE Network Module - 8 RJ45 Ports	–	–	–	–	–	–	–	–	–	Yes	Yes	Yes	Yes	Yes
1GbE Network Module - 8 RJ45 Ports With Bypass	–	–	–	–	–	–	–	–	–	Yes	Yes	Yes	Yes	Yes
10GbE Network Module - 2 SFP + Ports	–	–	–	–	Yes	Yes	–	–	–	–	–	–	–	–
1GbE Network Module - 2 SFP Ports	–	–	–	–	Yes	Yes	–	–	–	–	–	–	–	–
Redundant Power Source	–	–	–	–	–	–	–	Yes	Yes	–	–	–	–	–
Available Slots	–	–	–	–	1x	1x	1x	1x	1x	3x	7x	7x	7x	7x

All Blockbit models come with a power cable in the NBR 14136 standard.

¹ NGFW IS MEASURED WITH FIREWALL ENABLED, IPS AND APPLICATION CONTROL, IMIX TRAFFIC

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Virtual Appliances

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Features by Subscription

Features	BASIC	STANDART	ADVANCED
Next-Generation Firewall (NGFW)	✓	✓	✓
Secure SD-WAN	✓	✓	✓
Proxy WEB	✓	✓	✓
VPN IPSEC	✓	✓	✓
VPN SSL	✓	✓	✓
QoS	✓	✓	✓
Cluster	✓	✓	✓
Captive Portal	✓	✓	✓
DHCP server/relay	✓	✓	✓
Hardware Warranty	✓	✓	✓
URL Category Base	—	✓	✓
Intrusion Prevention System (IPS)	—	✓	✓
Gateway Antivirus	—	✓	✓
Threat Protection	—	✓	✓
Remote Support - 04 hours / month	—	—	✓

TESTS WERE CARRIED OUT IN LABORATORY USING IXIA BREAKINGPOINT IN, BLOCKBIT PLATFORM 2.0, IPS AND SERVICES, DISABLED APPLICATION DETECTORS, FIREWALL THROUGHPUT UDP 1518 BYTES PACKAGES, FIREWALL THROUGHPUT HTTP GET 1280 Kb AND PUT 1280 K, IPS / ATP THROUGHPUT WITH STANDARD FACTORY SUBSCRIPTIONS ENABLED, WITHOUT SUMMARIZATION BY USERS.

