DATASHEET

BloxOne® Host Options

HOST OPTIONS PERFORMANCE REFERENCE GUIDE

BloxOne offers flexible scalability to meet your changing business needs from the smallest to the largest locations. To simplify planning, site tiers are suggested below, followed by reference specifications to approximate these performance targets*.

Note that in the table below, cache hit ratio (CHR) measures how many requests a cache can deliver successfully from its cache storage, compared to how many requests it receives.

Recommended for	Small Branches	Medium Branches	Large Branches
DNS Queries Per Second (QPS)*	160 @ 0% CHR, 681 @ 85% CHR, 1.6K @ 100% CHR	700 @ 0% CHR, 2.9K @ 85% CHR, 7K @ 100% CHR	3.5K @ 0% CHR, 14.8K @ 85% CHR, 35K @ 100% CHR
DHCP Leases Per Second (LPS)*	25	300	400

* These values are for reference only, representing lab testing results in a controlled environment for individual protocol services. Enabling additional protocols, services, cache hit ratio for recursive DNS, and customer environment variables will adversely affect performance. Please contact your local Infoblox Solutions Architect to help design and size a solution for your production environment.

OVERVIEW

Infoblox BloxOne DDI simplifies the visibility, automation and administrative control of DNS, DHCP and integrated IP Address Management for today's demanding environments.

BloxOne On-prem hosts are lightweight physical or virtual appliances designed and deployed to efficiently deliver reliable services to users in branch or remote locations. Infoblox has tested and certified several configurations included here to simplify the planning process.

In summary, the BloxOne DDI cloud-managed solution ensures the highest level of service availability and performance for environments of any size.

REFERENCE HARDWARE SPECIFICATIONS

Recommended for	Small Branches	Medium Branches	Large Branches
CPU	4-core Intel Celeron @ 2GHz	4-core Intel Atom @ 2.2GHz	16-core Intel Atom @ 2GHz
DRAM	8GB	8GB	32GB
Storage	64GB	120GB	240GB
Ports	2 x 1G	6 x 1G, 2 x 10G	6 x 1G, 2 x 10G

Infoblox is not liable for any BloxOne compatibility or performance issues resulting from systems configured outside the specifications above. Additionally, Infoblox does not guarantee performance based on the system configuration, as procurement and system maintenance are the customer's responsibility. To the extent that Infoblox processes personal data on behalf of the customer to provide the Services, the Data Processing Addendum ("DPA") shall apply. The definition of Personal Data is also included in the DPA.

BLOXONE B212 APPLIANCE

The B212 appliance is a higher capacity host designed to serve larger branch offices, remote locations and retail environments with additional demands. The B212 appliance does not include any software license entitlements. Software must be purchased separately.

Feature	Description
CPU	4-core, 2.20GHz
Memory	8GB DDR4
Storage	120GB M.2 SSD with 16GB 2.9K QPS Flash
Performance	DNS: 700 QPS @ 0% CHR, 2.9 QPS @ 85% CHR, 7K QPS @ 100% CHR DHCP: 300 LPS
Power Supply	Power Type: external power adapter Power Consumption: 20W (typical) 30W (max) Power Adapter: AC to DC, AC 100 to 240 VAC 50-60 Hz
TPM	2.0
Dimensions	8.1" x 7.9" x 2.0" (20.8 cm x 20.2 cm x 5.2 cm)
Weight	3.5 lbs. (1.589 kg)
Ports	6 x 1G Copper, 2 x 10G SFP+, 2 x USB 3.0 Type A used for recovery All other ports are unused

Feature	Description
Environmental	Operating Temperature: 32 F to 104 F (0 C to 40 C)
	Storage Temperature: -40 F to 158 F (-40 C to 70 C) Operating Relative Humidity: 5% to 85% (non-condensing)
	Environmental Certification: EMC CE/FCC, Class A, WEEE and RoHS
Certification and Regulatory	CE, UL, KCC, BSMI and EAC
	U.S., Europe, Mexico, India, Taiwan, Korea, Russia, Argentina and Australia
Support	One-year hardware warranty

PACKAGING

Model	Description	SKU
B212	Physical appliance (optional)	B1-212-HW-AC

Infoblox unites networking and security to deliver unmatched performance and protection. Trusted by Fortune 100 companies and emerging innovators, we provide real-time visibility and control over who and what connects to your network, so your organization runs faster and stops threats earlier.

Corporate Headquarters
2390 Mission College Blvd, Ste. 501
Santa Clara, CA 95054

+1.408.986.4000
www.infoblox.com