

GEN5 appliances

High-performance enterprise hardware for BlueCat software

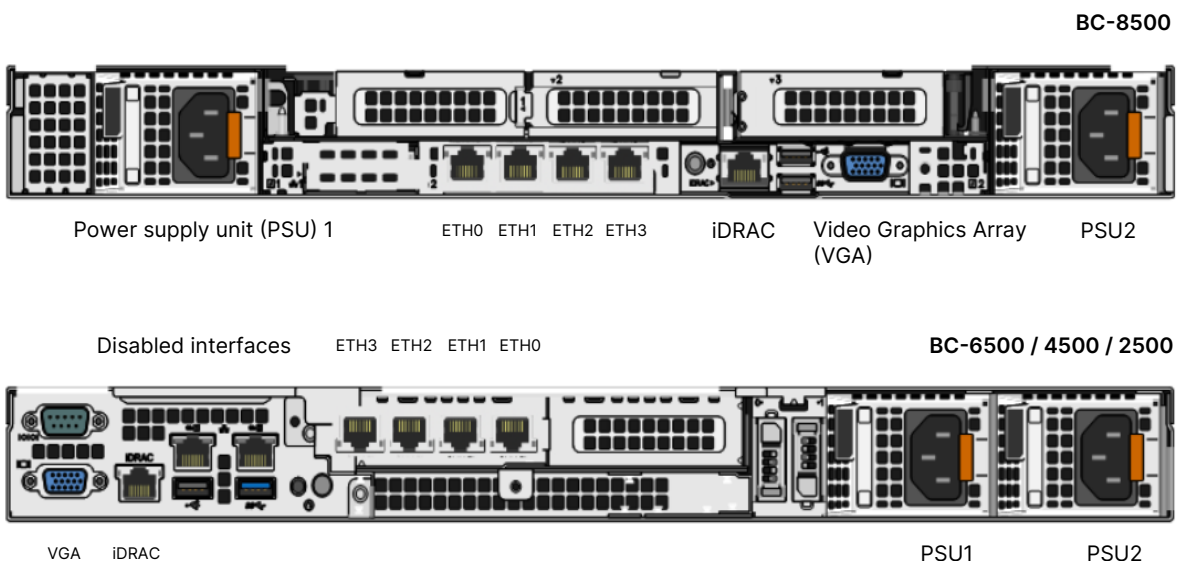
BlueCat GEN5 appliances

BlueCat appliances support organizations with enterprise environments that need full-featured appliances coupled with high performance, dual-power AC/DC supplies, and lights-out management.

BlueCat GEN5 appliances are the latest generation of BlueCat's rack-optimized system solutions. GEN5 appliances support the highest performance demands and throughput for all BlueCat software, including BlueCat Address Manager, BlueCat DNS/DHCP Server, BlueCat Micetro DNS/DHCP Server, BlueCat Edge Service Points, and BlueCat Infrastructure Assurance applications.

Features

- Product agnostic hardware that supports all BlueCat software
- Improved queries per second (QPS) and leases per second (LPS) performance
- Up to 25% performance improvement of notifications throughput on Address Manager
- Increased memory and all solid-state storage capacity
- Intel® Xeon® processors optimized for performance, scale, and efficiency
- Dual redundant AC power (DC optional)
- Lights-out management (Integrated Dell Remote Access Controller 9 [iDRAC9] Enterprise)
- Optional fiber connectivity (10/25GB SPF+/DA)



Hardware specifications

Model numbers	BC-2500	BC-4500	BC-6500	BC-8500
Supported platforms	<ul style="list-style-type: none"> Integrity Micetro Edge Service Points 	<ul style="list-style-type: none"> Integrity Micetro Edge Service Points 	<ul style="list-style-type: none"> Integrity Edge Service Points Infrastructure Assurance 	<ul style="list-style-type: none"> Integrity Edge Service Points Infrastructure Assurance
BlueCat SKUs	<ul style="list-style-type: none"> BC-2500 DNS/DHCP Server BC-2500 Edge Service Point BC-2500 Micetro DNS/DHCP Server 	<ul style="list-style-type: none"> BC-4500 DNS/DHCP Server BC-4500 Edge Service Point BC-4500 Micetro DNS/DHCP Server 	<ul style="list-style-type: none"> BC-6500 Address Manager BC-6500 DNS/DHCP Server BC-6500 Infrastructure Assurance BC-6500 Edge Service Point 	<ul style="list-style-type: none"> BC-8500 Address Manager BC-8500 DNS/DHCP Server BC-8500 Infrastructure Assurance BC-8500 Edge Service Point
CPU model	Intel® Xeon E-2434	Intel® Xeon® E-2486	Intel® Xeon® E-2488	Intel® Xeon® Gold 6444Y
CPU cores	4 cores / 8 threads	6 cores / 12 threads	8 cores / 16 threads	16 cores / 32 threads
CPU speed	3.4 GHz (5.0 GHz turbo)	3.5 GHz (5.6 GHz turbo)	3.2 GHz (5.6 GHz turbo)	3.60 GHz (4.00GHz turbo)
Memory	16GB ECC	16GB ECC	32GB ECC	64GB ECC
Storage	Single 480GB SSD	Single 960GB SSD	RAID 1 - PERC H355 RAID controller 2× 960GB SSD	RAID 1 - PERC 755 RAID controller 2× 1.6TB SAS SSD SED
Networking	Broadcom 5719 Quad Port 1GbE BASE-T Adapter <i>Optional fiber</i>	Broadcom 5719 Quad Port 1GbE BASE-T Adapter <i>Optional fiber</i>	Broadcom 5719 Quad Port 1GbE BASE-T Adapter <i>Optional fiber</i>	Intel X710-T4L Quad Port 10GbE BASE-T <i>Optional fiber</i>
Power	Dual 600w redundant PSUs AC	Dual 600w redundant PSUs AC	Dual 600w redundant PSUs AC	Dual 1100W redundant PSUs AC
iDRAC Enterprise with dedicated port	Yes	Yes	Yes	Yes
Internal USB for factory reset	Yes	Yes	Yes	Yes

Model numbers	BC-2500	BC-4500	BC-6500	BC-8500
ReadyRails kit	Yes	Yes	Yes	Yes
Depth per appliance	534.53 mm	534.53 mm	534.53 mm	822.99 mm (with bezel)
Width per appliance	482 mm	482 mm	482 mm	482 mm
Height per appliance	42.8 mm	42.8 mm	42.8 mm	42.8 mm
Weight per appliance	11.74 kg	11.74 kg	11.74 kg	18.5 kg
QPS	75K	175K	250K	455K
LPS	1,250	1,750	2,250	2,500

BlueCat helps enterprises achieve their network modernization objectives by delivering innovative products and services that enable networking, security, and DevOps teams to deliver change-ready networks with improved flexibility, automation, resiliency, and security.

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Next steps

Learn how high-performance appliances can support BlueCat software in your enterprise.

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