

GEN5 appliances

High-performance enterprise hardware for BlueCat software

Support for enterprise environments that require full-featured appliances

BlueCat appliances support organizations with enterprise environments that require full-featured appliances, 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 meet the highest performance and throughput demands for all BlueCat software, including BlueCat Address Manager, BlueCat DNS/DHCP Server, Micetro DNS/DHCP Server, Edge Service Points, and LiveAssurance 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

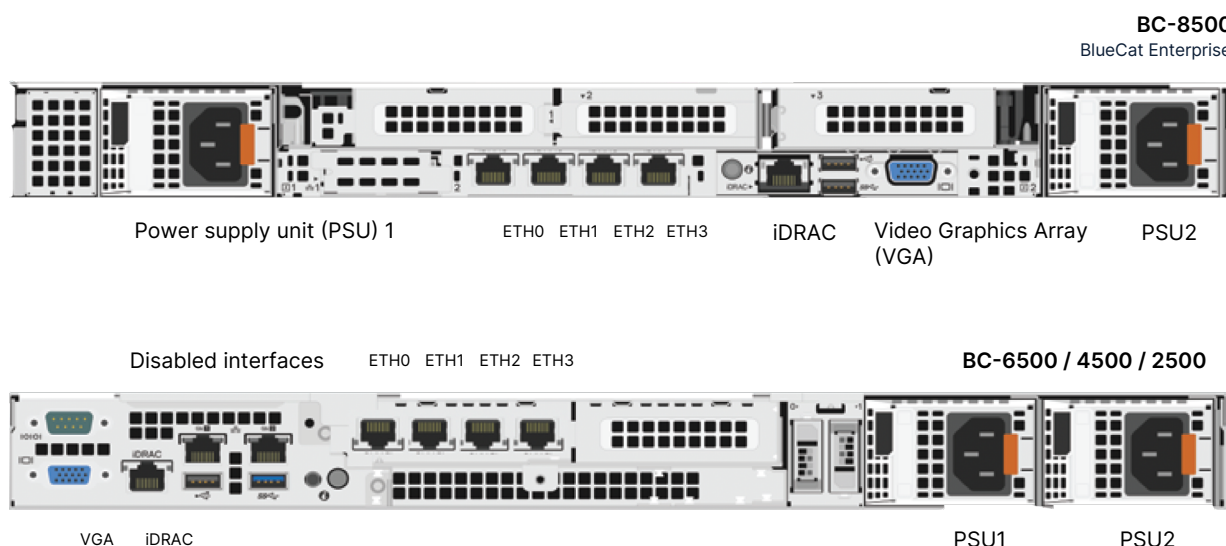


Figure 1. Rear view of BlueCat GEN5 appliances

Model number	BC-2500	BC-4500	BC-6500	BC-8500
Supported platforms	- Integrity - Micetro - Edge Service Points	- Integrity - Micetro - Edge Service Points	- Integrity - Micetro - Edge Service Points - LiveAssurance	- Integrity - Micetro - Edge Service Points - LiveAssurance
BlueCat SKUs	- BC-2500 Address Manager - BC-2500 DNS/DHCP Server - BC-2500 Edge Service Point - BC-2500 Micetro DNS/DHCP Server	- BC-4500 Address Manager - BC-4500 DNS/DHCP Server - BC-4500 Edge Service Point - BC-4500 Micetro DNS/DHCP Server	- BC-6500 Address Manager - BC-6500 DNS/DHCP Server - BC-6500 LiveAssurance - BC-6500 Edge Service Point - BC-6500 Micetro DNS/DHCP Server	- BC-8500 Address Manager - BC-8500 DNS/DHCP Server - BC-8500 LiveAssurance - BC-8500 Edge Service Point - BC-8500 Micetro DNS/DHCP Server
CPU model	Intel® Xeon® E-2434 Intel® Xeon® 6325P Rev B	Intel® Xeon® E-2486 Intel® Xeon® 6353P Rev B	Intel® Xeon® E-2488 Intel® Xeon® 6369P Rev B	Intel® Xeon® 6444Y Intel® Xeon® 6544Y Rev B Dual Intel® Xeon® 6534 Rev C
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 number	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's Intelligent Network Operations (NetOps) solutions provide the analytics and intelligence needed to enable, optimize, and secure the network to achieve business goals. With an Intelligent NetOps suite, organizations can more easily change and modernize the network as business requirements demand.

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Next steps
Learn how high-performance appliances can support BlueCat software for your enterprise.

Contact us