












## BlueCat GEN4 Appliances

BlueCat GEN4 appliances supports the needs of the Enterprise that requires a full-featured appliance coupled with high performance, dual-power AC/DC supplies, and lights-out management.

BlueCat GEN4 appliances represent BlueCat's latest generation of rack-optimized system solutions that support the highest performance demands and throughput for BlueCat Address Manager and BlueCat DNS/DHCP Server application. BlueCat GEN4 appliances are high-performance, 1U rack servers with the enhanced computing power, business scalability, simplified management, data protection, and security features that make them an ideal choice for the most demanding deployments.

### Benefits

-  Full-featured appliance solution for both hardware and software
-  Light-out management (iDRAC9 enterprise)
-  Increased memory and disk capacity compared to Generation 3 appliances
-  Ready for Adaptive DNS
-  Multi-core scalable processor
-  Optional Fibre connectivity (10GB SPF+/DA)
-  Cost-effective, rack-mountable servers
-  Improved QPS/LPS performance
-  64-bit architecture
-  Dual Power is standard across the appliance range
-  Redundant power AC, DC optional

# Hardware Specifications

BlueCat GEN4 Appliances						
Model		GEN4-XMB3	GEN4-2000	GEN4-4000	GEN4-5000	GEN4-7000
Supported Platforms		BDDS	BDDS - 25	BDDS - 50	BAM - 5000, BDDS - 75	BAM - 7000, BDDS - 125
Performance Specifications	Queries per Second (QPS)	N/A	60,000	150,000	230,000	270,000
	Leases per Second (LPS)	N/A	1000	1500	2000	2300
Processor	CPU	Intel Atom® Processor E3827	Intel® Pentium® Gold G5500 Processor	Intel® Xeon® E-2124	Intel® Xeon® E-2136	2 x Intel Xeon Silver 4114
	CPU Speed	1.75 GHz	3.8 GHz	3.3 GHz	3.3 GHz	2.2 GHz
	CPU Total Cores & Threads	2C/2T	2C/4T	4C/4T	6C/12T	20C/40T
	Hyper Threading Support	N/A	Yes	N/A	Yes	Yes
Memory	Memory	4 GB	8 GB	16 GB	32 GB	64 GB
	Memory Speed	1333 MHz	2666 MT/s	2666 MT/s	2666 MT/s	2666 MT/s
Power	PSU	DC + 12V Input	Dual AC PSU(s)	Dual AC PSU(s)	Dual AC PSU(s)	Dual AC PSU(s)
	PSU Wattage	N/A	350 w	350 w	350 w	495 w
	PSU Swappable	N/A	Yes	Yes	Yes	Yes
	PSU DC Option	N/A	N/A	N/A	N/A	Yes
Storage	Storage Type	HDD	HDD + SDXC	HDD + SDXC	HDD + SDXC	SSD + SDXC
	Storage Capacity	(1) x 500 GB 7200 SATA	(1) x 1 TB 7200 SATA (1) x 16 GB SHDC Cards	(1) x 1 TB 7200 SATA (1) x 16 GB SHDC Cards	(2) x 1 TB 7200 SATA (RAID 1) (1) x 16 GB SHDC Cards	(2) x 960 GB (RAID 1) SSD (2) x 16 GB (Raid 1) SHDC Cards
	Raid Configuration	N/A	N/A	N/A	RAID1 - PERC H730P Controller	RAID1 - PERC H730P Controller

Network	Network Card	(2) x Intel i210IT DP	(2) x Broadcom 5720 DP	(2) x Broadcom 5720 DP	(2) x Broadcom 5720 DP	(1) x Intel i350 QP
	Fibre Option Support	N/A	Yes – replaces network card	Yes – replaces network card	Yes – replaces network card	Yes – replaces network card
	Optional Fibre Card	N/A	(2) x Intel X710 Dual Port 10 GB DA/SFP+	(2) x Intel X710 Dual Port 10 GB DA/SFP+	(2) x Intel X710 Dual Port 10 GB DA/SFP+	Intel X710 Quad Port 10 GB DA/SFP+
	Network Ports	(4) x 1 GB (Intel)	(4) x 1 GB (Broadcom)	(4) x 1 GB (Broadcom)	(4) x 1 GB (Broadcom)	(4) x 1 GB (Intel)
	IDRAC Port	N/A	Yes	Yes	Yes	Yes
	IDRAC Hardware	N/A	iDRAC9 Enterprise	iDRAC9 Enterprise	iDRAC9 Enterprise	iDRAC9 Enterprise
Rack and Mounting Specifications	Mounting Kit	Special Kit for mount 2xXMB3 is 1U rack	ReadyRails Static Rails 2/4 Post	ReadyRails Static Rails 2/4 Post	ReadyRails Sliding without CMA	ReadyRails Sliding with CMA
	Depth	155.00 mm	596.60 mm	596.60 mm	596.60 mm	808.51 mm
	Width	190.0 mm	434.0 mm	434.0 mm	434.0 mm	482.0 mm
	Height	42.0 mm	42.8 mm	42.8 mm	42.8 mm	42.8 mm
Warranty	Standard	5 Years, next business day	5 Years, next business day	5 Years, next business day	5 Years, next business day	5 Years, next business day
	Optional	N/A	4 Hours	4 Hours	4 Hours	4 Hours

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### Next Steps

Get in touch with a BlueCat representative to future proof your network.

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