	LC921	LC922
Microprocessors	1x or 2x POWER9 CPUs; 16 or 20 cores	1x or 2x POWER9 CPUs; 16, 20 or 22 cores
Memory slots	32	16
Memory max.	2 TB	2 TB
PCIe G4 slots	4	6
Supported operating system	Linux	Linux
Max. storage	40 TB	120 TB

5.1.3 Enterprise AI workloads

AI holds tremendous promise for facilitating digital transformations, accelerating innovation, enhancing the efficiency of internal processes, identifying new marketplace opportunities and more. For organizations to take advantage of AI and cognitive technologies such as machine learning and deep learning, they need powerful, accelerated servers that can handle these data-intensive workloads. Accelerated servers can also play a vital role in supercomputing. With the correct accelerated servers, researchers and scientists can explore more complex, data- intensive problems and deliver results faster than before.

The IBM Power Systems Accelerated Compute Server, as shown in Table 5-5, help reduce the time to value for enterprise AI initiatives. The IBM PowerAI Enterprise platform combines this server with popular open source deep learning frameworks and efficient AI development tools to accelerate the processes of building, training and inferring deep learning neural networks. Using PowerAI Enterprise, organizations can deploy a fully optimized and supported AI platform with blazing performance, proven dependability and resilience.

Table 5-5 IBM Power Systems - Accelerated Compute servers

	AC922
Key features	• Unprecedented performance for modern AI, analytics, and HPC workloads • Proven deployments from small clusters to the world's largest supercomputers, with near-linear scaling • Simple GPU acceleration
Machine type and model (MTM)	8335-GTH | 8335-GTX
Form factors	2U
Sockets	2
Microprocessors	2x POWER9 with NVLink CPUs: 16 or 20 cores; or 18 or 22 cores with liquid cooling
GPUs	4 or 6 NVIDIA Tesla GPU processors (NVLink 2.0 attached)
Memory slots	16
PCIe G4 slot	1 TB
Supported operating system	Linux