

IBM® Power® S1014

Fact Sheet



More performance per core

Get as much as 57% more performance per core compared to IBM Power S914.

More memory bandwidth

Provide 20% more memory bandwidth compared to IBM Power S914.

Matrix Math Acceleration

Benefit from four Matrix Math Accelerators per core for **faster AI inferencing** at the point of data.



The IBM® Power® S1014 is a 1-socket, 4U Power10 processor-based server.



Modernize applications to maximize value



Secure infrastructure to defend against attacks



Automate operations to improve productivity

IBM Power S1014

S1014 MTM: 9105-41B

Processor module offerings	4 and 8 Power10 cores
Memory channels per system	8 OMI Channels
Memory bandwidth per system (peak)	204 GBps with 16, 32 and 64 GB DIMMS
DIMMs per system	8 DDIMMs
Memory capacity per system (max)	1 TB (Post GA)
Drives (max)	16 NVMe U.2
RDX	1
I/O Expansion Drawers	0.5
Service processor	Enterprise BMC (eBMC)
Security	Main memory encryption

IBM® Power® S1024

Fact Sheet



More cores per system

Increase system utilization with **2.5X more cores per system.**

Active Memory Mirroring

Increase uptime and improve availability and reliability with Active Memory Mirroring.

More memory bandwidth

2.4X more memory bandwidth compared to IBM Power S924.



The IBM® Power® S1024 is a 2-socket, 4U Power10 processor-based server.

33%

Get up to **33% more** performance per core

3x

3X more performance compared to IBM Power S924



Lower costs by reducing physical data center footprint

IBM Power S1024

S1024 MTM: 9105-42A

Processor module offerings	12, 16, and 24 Power10 Cores
Processor interconnect	4x2B at 32 GBps
Memory channels per system	16 OMI channels
Memory bandwidth per system (peak)	818 GBps with 16, 32 and 64 GB DDIMMs
DIMMs per system	32 DDIMMs
Memory capacity per system (max)	8 TB (4Q22 GA)
Acceleration ports	6 ports at 25 Gbps
Internal storage	16 NVMe U.2
I/O expansion drawers (max)	2
Service processor	Enterprise BMC (eBMC)
RAS	Active Memory Mirroring Support
Security	Main memory encryption