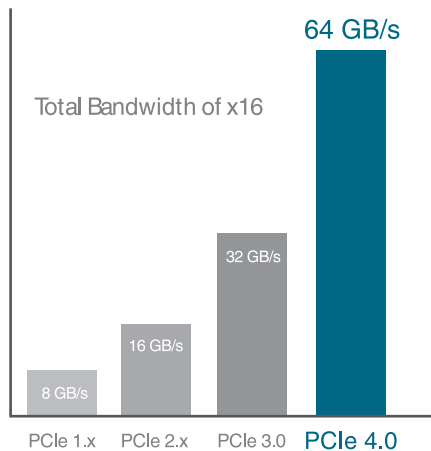


# Built For The Cognitive Era

## Faster!

### PCIe 4

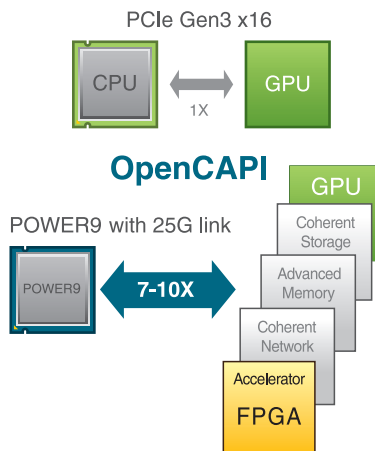
WW 1st PCIe Gen4 to enhance the I/O data rate.



## Smarter!



Brand new design for AI, Big Data and Cloud.



## Better!

### POWER9

Extreme technology for next decade cognitive era.

Feature	Intel Xeon 61xx Processor	IBM POWER9 (LaGrange)
# of Threads	2 per Core Up to 44	4 per Core Up to 88
L3 Cache	Up to 30.25 MB	Up to 120 MB
Max # of Memory Channels	6	8
Max Memory Size	768 GB	4TB
Open Innovation Interface	None	OpenCAPI by 25G link

### System Chassis Dimension

19" 2U rackmount  
800(L) x 435(W) x 87(H) mm

### Processor

IBM POWER9 LaGrange CPU x2  
18/20/22 cores SKU available

### Memory

DDR4 RDIMM x 32  
Max. size up to 4TB

### Operating System

Linux ppc64le  
Ubuntu, RHEL, CentOS, SLES, 紅旗



### Power Supply

Platinum 2000W (1+1) CRPS

### Cooling System

Up to 6 x 6056 fans, max. 20K rpm  
Hot plug tool-less fans

### Management

ASPEED AST2500, with OpenBMC F/W  
RESTful API supported

### Rear Ports

USB 3.0 x 2, Video x 1, Serial x 1  
RJ45 x 3 :  
One dedicated port for BMC;  
TWO ports for 1GE LOM

### Front Ports

USB 3.0 x 1

### Network

Broadcom BCM5719, 10/100/1000BASE-T

### Drive Bays and Expansion Capability

Feature List		Large Form Factor	Small Form Factor	NVMe Hybrid
Photo Preview				
Storage	3.5" SAS/SATA	12	-	-
	2.5" SAS/SATA	-	24	16
	U.2 NVMe	-	-	8
HBA	Microsemi HBA 1000	16i x1 (Gen3 x8)	24i x1 (Gen3 x8)	16i x1 (Gen4 x16)
		Gen4 PCIe slots (CAPI 2.0)	x16 LP	2
Gen3 PCIe slots	x16 FHFL	2	2	(1 for HBA)
	x16 LP	2	2	2
	x8 FHFL	2	2	-
		(1 for HBA)	(1 for HBA)	-

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