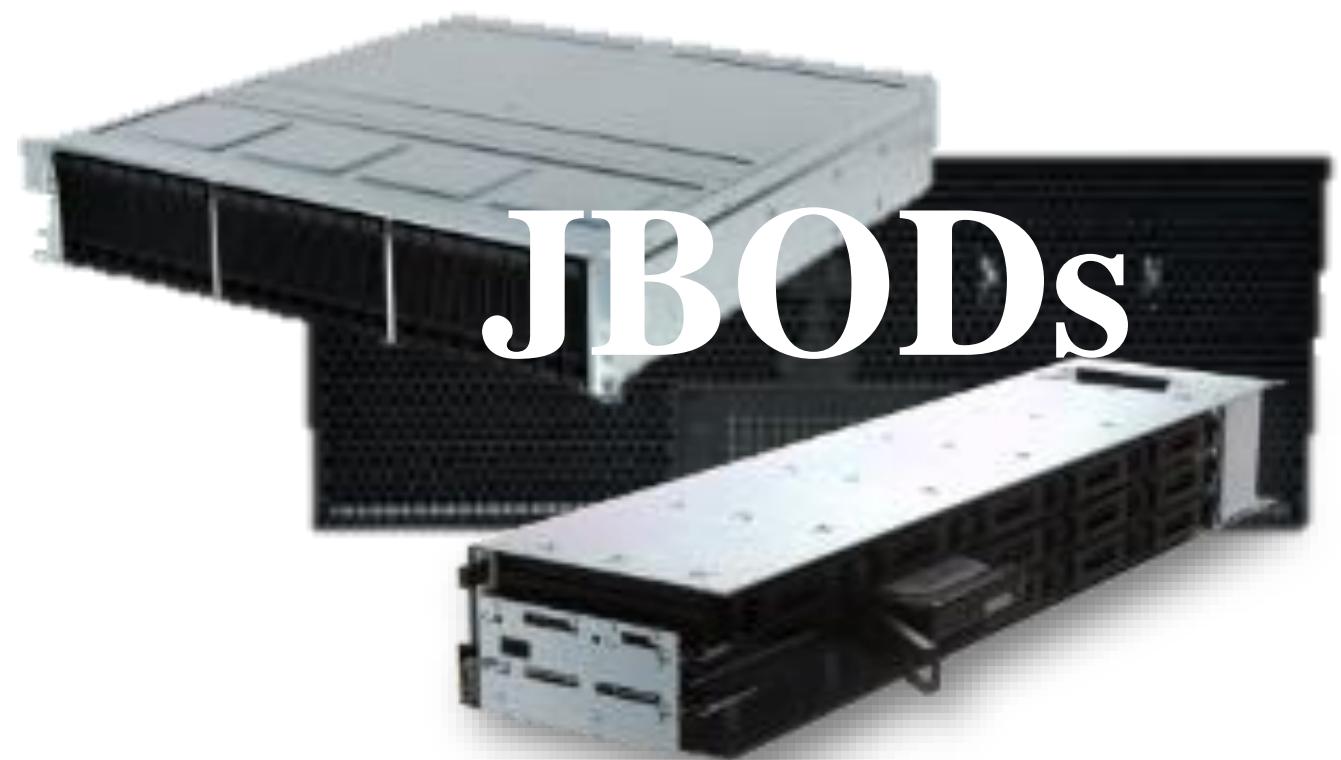




Portfolio Introduction

Categories

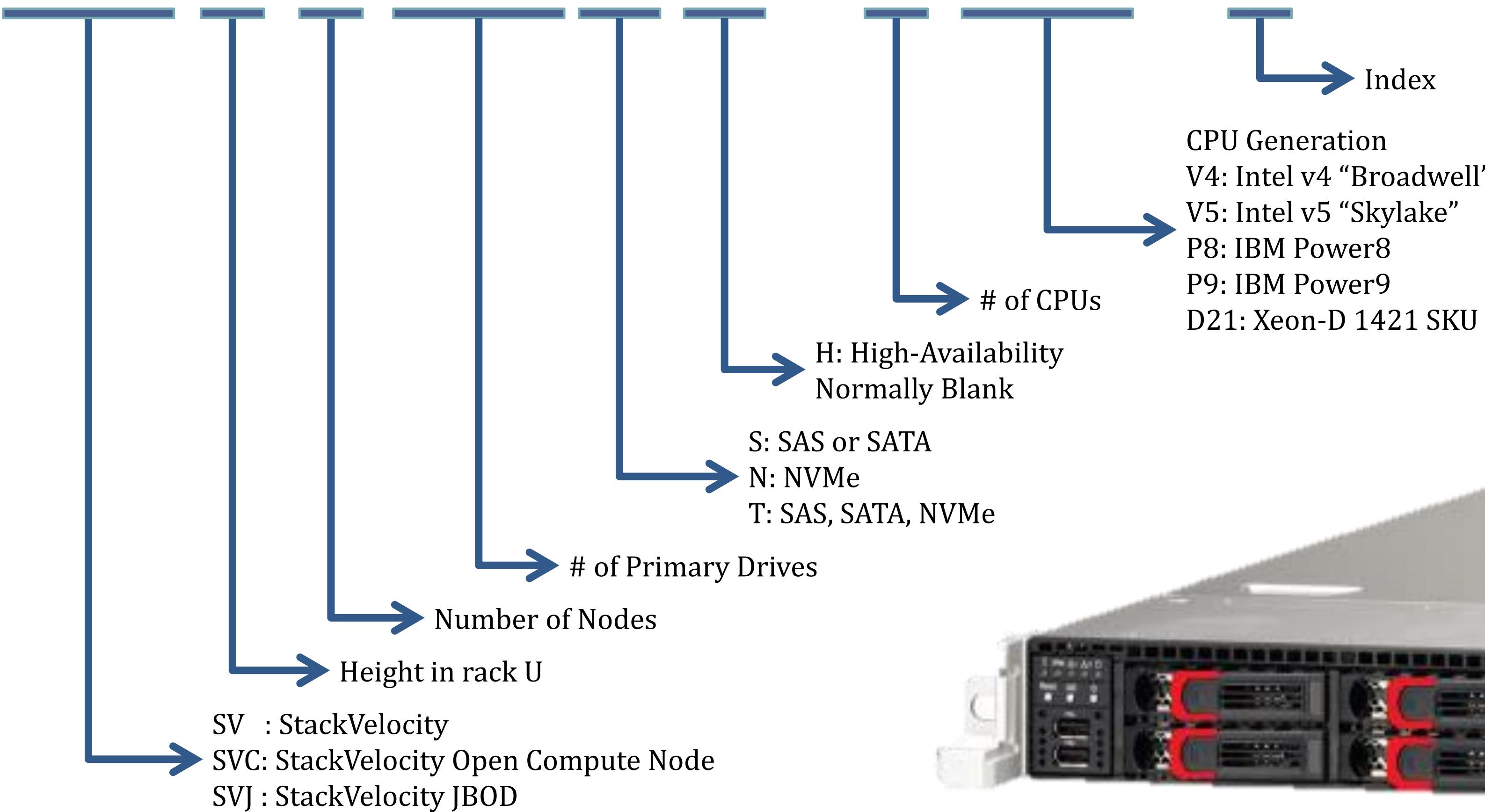
STACK
VELOCITY



Numbering Convention

STACK
VELOCITY

SV1110SH-1V4-1



Data Analytics

STACK
VELOCITY

Performance and IO

SV2124N



2U x 29"
2x Xeon v4
24x2.5" NVMe
All drives hot-swap
Available Now

SV2124T



2U x 29"
2x Xeon v4
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Validation

Thor



2U x 29"
2x Xeon SP
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Development

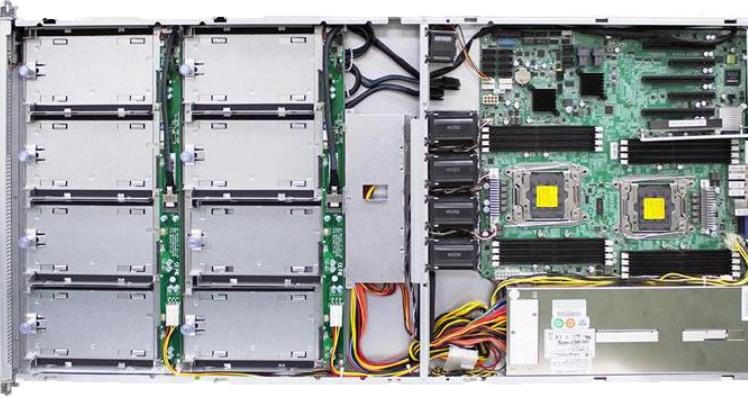
Loki



2U x 29"
1x AMD Naples
12 x 3.5" / 24 x 2.5"
All drives hot-swap
No PLX Switches
In Development

Storage Density

SV1108S



1U x 36"
2x Xeon v4
8x 3.5" hot-swap drives
SATA only
Available Now

SV1112S



1U x 36"
1x Xeon v4
12x 3.5" SAS / SATA
All drives hot-swap
Available Now

BlackTyde 24



1U x 36"
1x Xeon SP
24x 2.5" hot-swap drives
NVMe / SSD
Concept Only

GPU

Colossus



2U x 31"
2x Xeon v4
8x GPU
6 x 2.5 SAS / SATA /
2x NVMe
All drives hot-swap
In Validation

Juggernaut



4U x 30"
2x Xeon v4
8x GPU
10x 3.5" SAS / SATA
All drives hot-swap
In Validation

Juggernaut II



4U x 30"
2x Xeon SP
8x GPU
14x 2.5" SAS / SATA
optional 4 NVMe
All drives hot-swap
In Development

Database

STACK
VELOCITY

Performance and IO

SV2124N



2U x 29"
2x Xeon v4
24x2.5" NVMe
All drives hot-swap
Available Now

SV2124T



2U x 29"
2x Xeon v4
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Validation

Thor



2U x 29"
2x Xeon SP
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Development

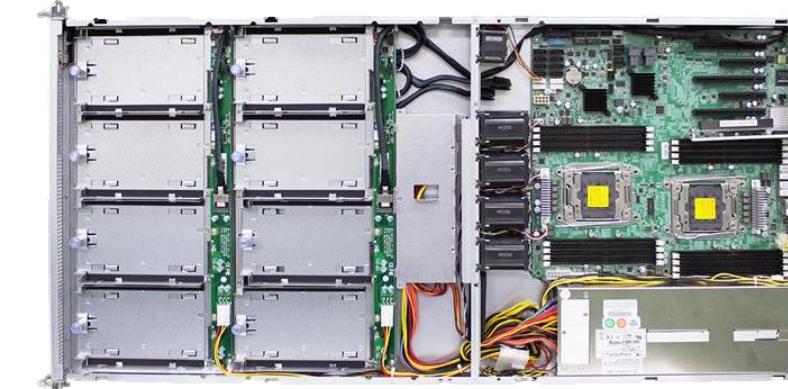
Loki



2U x 29"
1x AMD Naples
12 x 3.5" / 24 x 2.5"
All drives hot-swap
No PLX Switches
In Development

Storage Density

SV1108S



1U x 36"
2x Xeon v4
8x 3.5" hot-swap drives
SATA only
Available Now

SV1112S



1U x 36"
1x Xeon v4
12x 3.5" SAS / SATA
All drives hot-swap
Available Now

BlackTyde 24



1U x 36"
1x Xeon SP
24x 2.5" hot-swap drives
NVMe / SSD
Concept Only

Storage Servers

STACK
VELOCITY

Performance and IO

SV1110N



2U x 31"
2x Xeon v4
10 x 2.5"
NVMe

All drives hot-swap
Available Now

SV2124T



2U x 29"
2x Xeon v4
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Validation

Thor



2U x 29"
2x Xeon SP
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Development

Loki



2U x 29"
1x AMD Naples
12 x 3.5" / 24 x 2.5"
All drives hot-swap
No PLX Switches
In Development

Storage Density

SV1108S



1U x 36"
2x Xeon v4
8x 3.5" hot-swap drives
SATA only
Available Now

SV1112S



1U x 36"
1x Xeon v4
12x 3.5" SAS / SATA
All drives hot-swap
Available Now

Capacity

SV3132S



3U x 35.5"
2x Xeon v4
32 x 3.5"
SAS / SATA
All drives hot-swap
Available Now

BlackTyde 24



1U x 36"
1x Xeon SP
24x 2.5" hot-swap drives
NVMe / SSD
Concept Only

Compute

STACK
VELOCITY

Current Generation

SV1104S SV1110S



1U x 28"
2x Xeon v4
4 x 3.5" / 10 x 2.5"
SAS / SATA
All drives hot-swap
Available Now

SV1110N



2U x 31"
2x Xeon v4
10 x 2.5"
NVMe
All drives hot-swap
Available Now

SV2124N



2U x 29"
2x Xeon v4
24x2.5" NVMe
All drives hot-swap
Available Now

SV2124T



2U x 29"
2x Xeon v4
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Validation

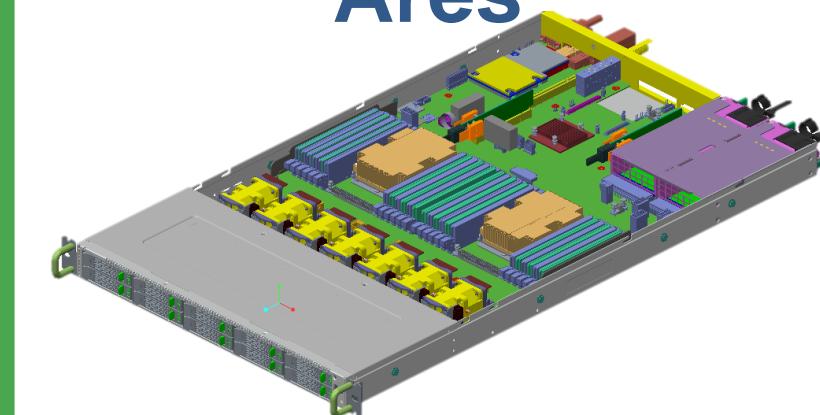
Performance and IO

Hawkeye



1U x 30"
2x Xeon SP
4 x 3.5" / 10 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Development

Ares



1U x 30"
1x AMD Naples
4 x 3.5" / 10 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Development

Thor



2U x 29"
2x Xeon SP
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Development

Loki



2U x 29"
1x AMD Naples
12 x 3.5" / 24 x 2.5"
All drives hot-swap
No PLX Switches
In Development

Pure NVMe

SV1110N



2U x 31"
2x Xeon v4
10 x 2.5"
NVMe

All drives hot-swap
Available Now

SV2124N



2U x 29"
2x Xeon v4
24x2.5" NVMe
All drives hot-swap
Available Now

SV2124T



2U x 29"
2x Xeon v4
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Validation

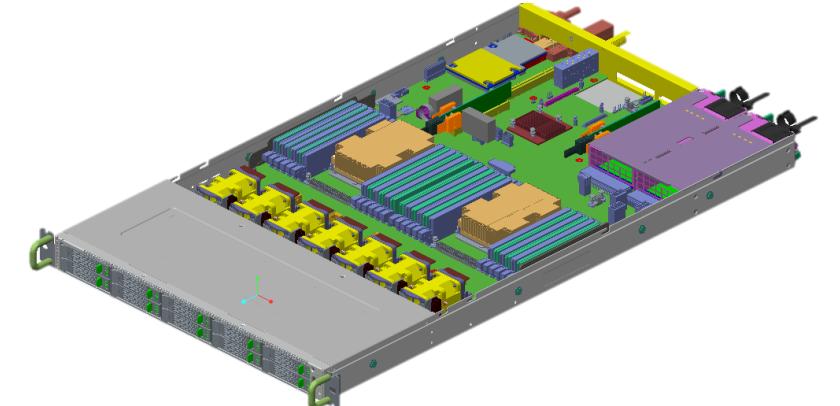
Pure and Hybrid NVMe

Hawkev



1U x 30"
2x Xeon SP
4 x 3.5" / 10 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Validation

Ares



1U x 30"
1x AMD Naples
4 x 3.5" / 10 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Development

Thor



2U x 29"
2x Xeon SP
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Development

Loki



2U x 29"
1x AMD Naples
12 x 3.5" / 24 x 2.5"
All drives hot-swap
No PLX Switches
In Development

Multi-Node

Twin-HA 2



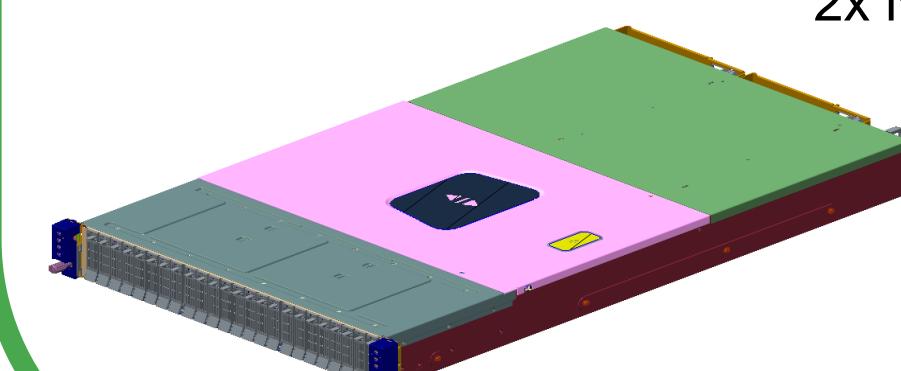
2U x 32"
Dual Node
2x Xeon v4
24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Validation

RiverRun 2



2U x 32"
Quad Node
2x Xeon v4
16x2.5" NVMe/SAS/SATA
8x 2.5" SAS/SATA
All drives hot-swap
In Validation

QueensGate 3



2U x 25"
2x NVMe Fabric Controllers
24 x 2.5" NVMe drives
hot-swap
Concept

GPUs

STACK
VELOCITY

GPU Focus

Colossus



2U x 31"
2x Xeon v4
8x GPU
6 x 2.5 SAS / SATA
2x NVMe
All drives hot-swap
In Validation

Juggernaut



4U x 30"
2x Xeon v4
8x GPU
10x 3.5" SAS / SATA
All drives hot-swap
In Validation

Juggernaut II



4U x 30"
2x Xeon SP
8x GPU
14x 2.5" SAS / SATA
optional 4 NVMe
All drives hot-swap
In Development

GPU Assist

Thor



2U x 29"
2x Xeon SP
12 x 3.5" / 24 x 2.5"
SAS / SATA / NVMe
All drives hot-swap
In Development

Loki



2U x 29"
1x AMD Naples
12 x 3.5" / 24 x 2.5"
All drives hot-swap
No PLX Switches
In Development

JBODs

STACK
VELOCITY

Capacity

SVJ4260SH



4U x 36"
2x SBB Canisters
60 x 3.5" SAS / SATA drives
hot-swap and carrier-less
Available Now

SVJ2212SH



2U x 21"
2x SBB Canisters
12 x 3.5" SAS / SATA drives
hot-swap
Available Now

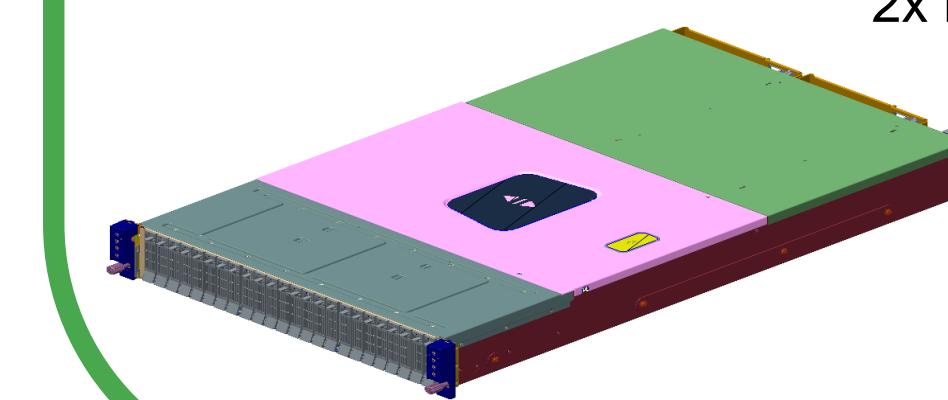
Performance

SVJ2224SH



21"
2OpenU
3x Canisters
45 x 3.5" SAS / SATA drives
hot-swap and carrier-less
Available Now

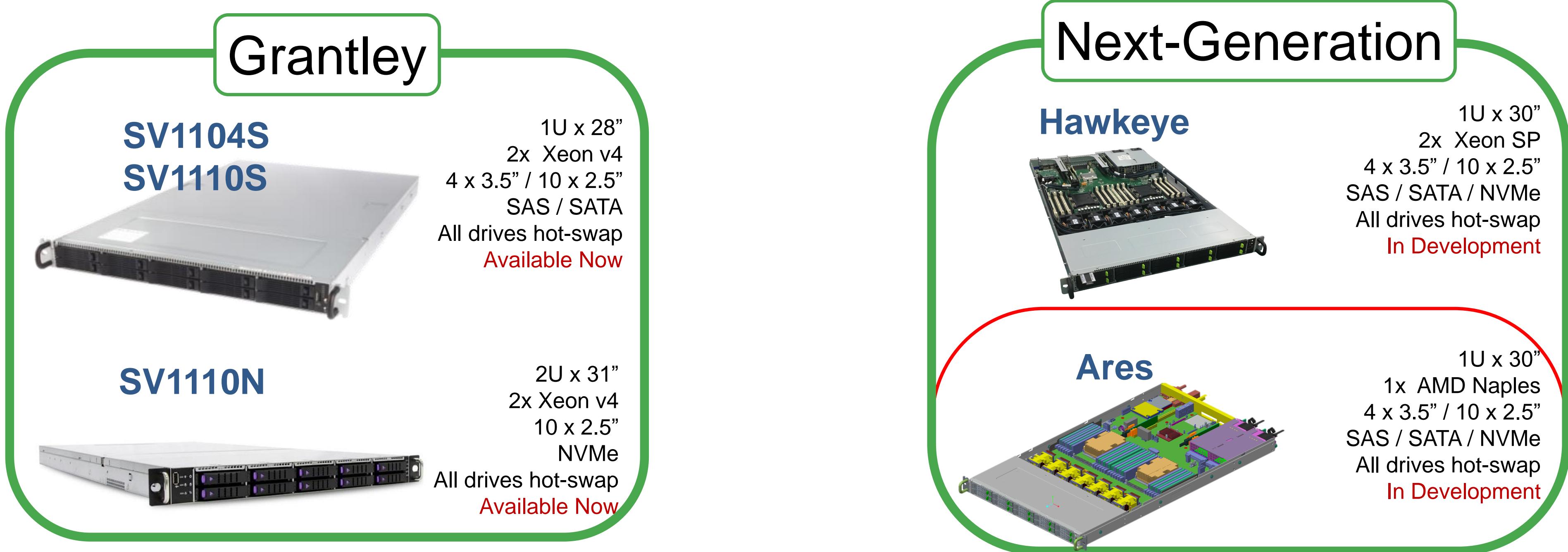
QueensGate 3



2U x 25"
2x NVMe Fabric Controllers
24 x 2.5" NVMe drives
hot-swap
Concept

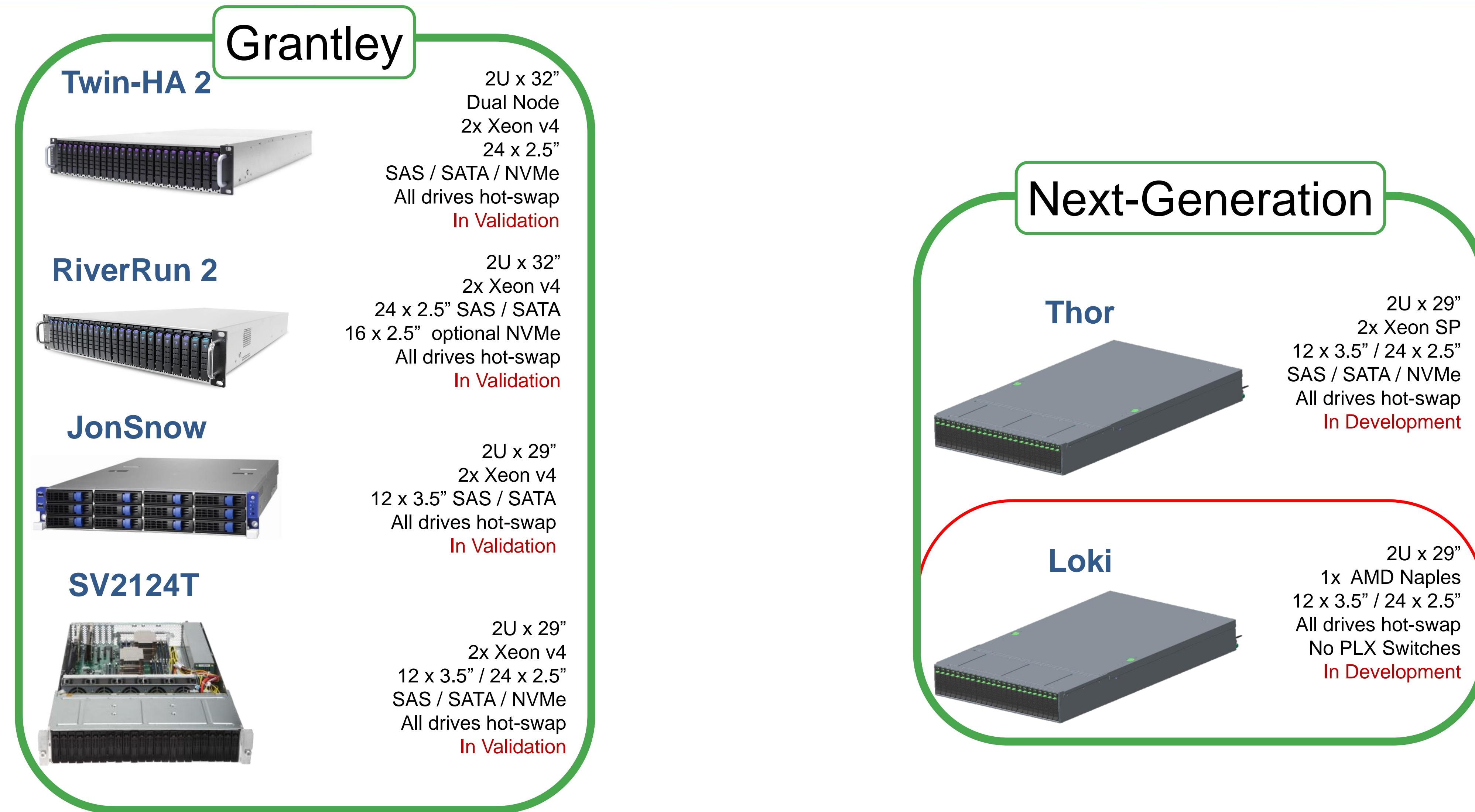
1U Compute

STACK
VELOCITY



2U Compute

STACK
VELOCITY



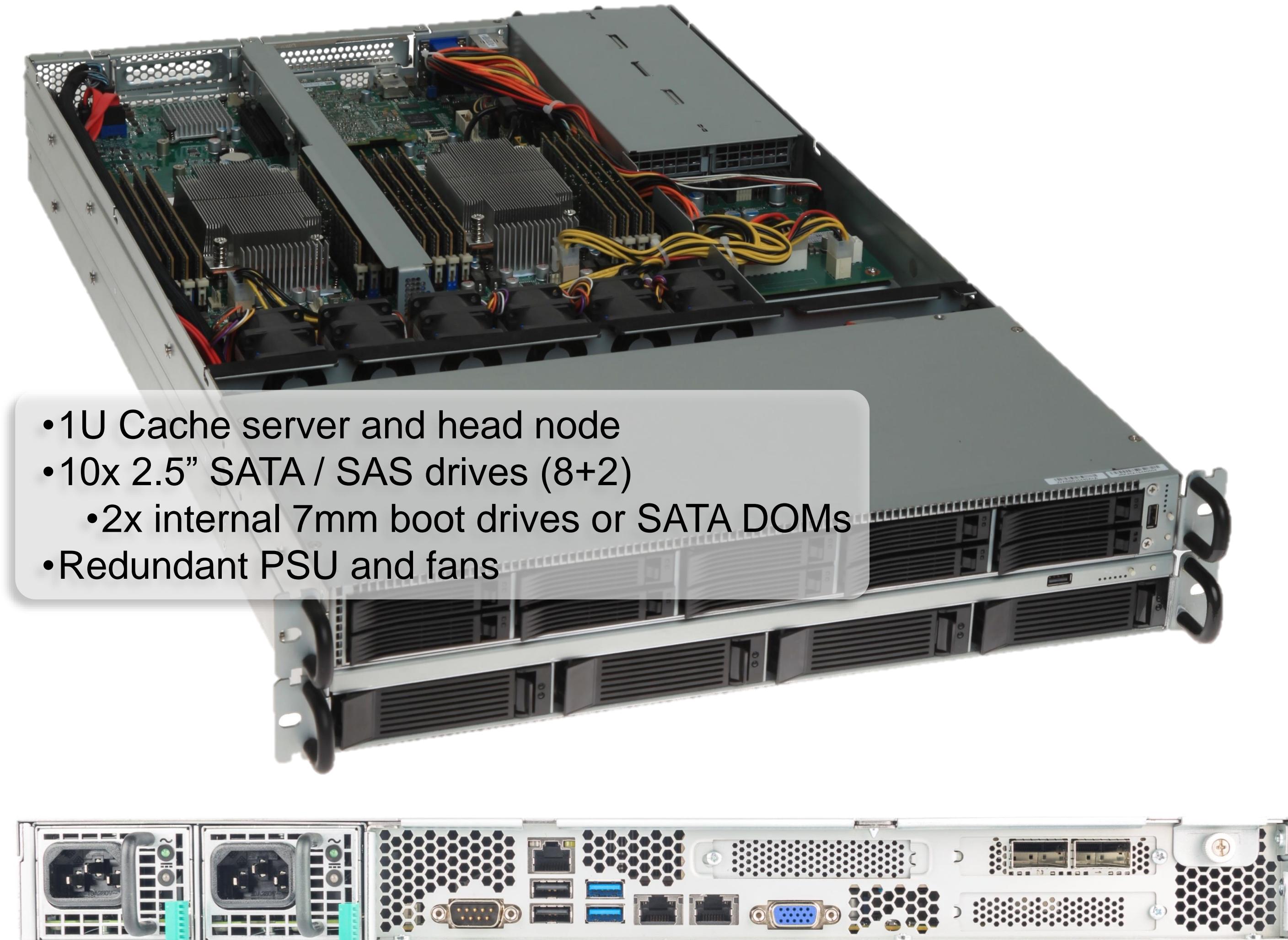


Portfolio Introduction Servers

SV1104S-2V4-2

SV1110S-2V4-3

STACK
VELOCITY



Feature	Specification	
Size	1U x 17.2" x 28"	
CPU	2x Intel® E5-2600v3 and v4	
Memory	16x DDR4 2400MHz L/RDIMM to 1024GB	
LAN	2x 10GbE SFP+ or via OCP Mezz	2x 1GbE BaseT via OCP Mezz
	4x 3.5" 12G SAS or SATA	8x 2.5" SAS / SATA and 2x 2.5" SATA only
Drives	2x internal (7mm or SATA DOM) boot drives	
PCIe	2x PCIe x8 (1x FHHL, 1x HHHL) 1x OCP Network Mezz 1x OCP Mezz for RAID	
BMC	AST2400 IPMI 2.0 dedicated	
Rear IO	2x 1GbE, USB 3.0 (x2), VGA, COM	
Front IO	USB LEDs: Pwr, Drive, ID	
Power	700W Redundant	
Fans	N+1 Redundant	
Available	Now	

SV1110N-2V4-1

STACK
VELOCITY

- 1U High-performance cache server
- 10x 2.5" NVMe drives



Feature	Specification
Size	1U x 19" x 31"
CPU	2x Intel® E5-2600v3 and v4
Memory	12x DDR4 2400MHz L/RDIMM to 384GB
LAN	2x 10GbE SFP+
Drives	10x 2.5" NVMe
PCIe	1x PCIe x16 (FHHL) 1x PCIe x8 (FHHL)
BMC	AST2400 IPMI 2.0 Shared
Rear IO	LAN, Power, VGA, USB
Front IO	Buttons: Pwr, Rst, ID LEDs: Pwr, LAN, HDD
Power	850W Redundant
Fans	Redundant (to 105W CPU)
Available	Now

Hawkeye

STACK
VELOCITY

- 1U Cache server and head node
- 4x 3.5" SATA / SAS drives or...
- 10x 2.5" SATA / SAS / NVMe drives
 - 2x internal 7mm boot drives or SATA DOMs



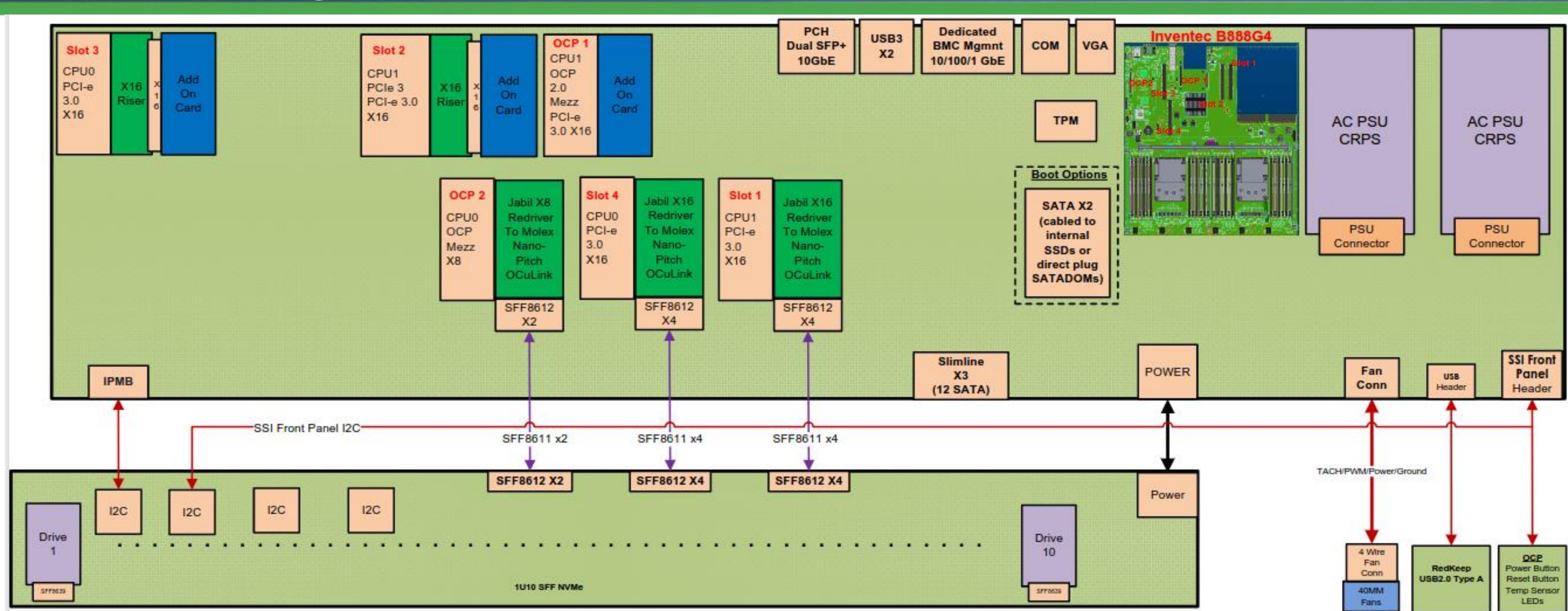
nvm
EXPRESS

Feature	Specification	
Size	1U x 17.2" x 30"	
CPU	2x Intel® Skylake-SP (up to 165W)	
Memory	Option1: 24x DDR4 2666MHz L/RDIMM Option2: 16x DDR4 2666MHz L/RDIMM	
LAN	2x 10GbE SFP+ or 2x 1GbE BaseT 25G/40G/50G or 100G via OCP Mezz	
	4x 3.5" 12G SAS or 6G SATA III	10x 2.5" SAS / SATA / NVMe
Drives	2x internal (7mm or SATA DOM) boot drives 2x M.2 (Optional)	
PCIe	2x PCIe x16 (1x FHHL, 1x HHHL) 1x OCP Network Mezz 1x OCP Mezz for RAID	
BMC	AST2500 IPMI 2.0 dedicated	
Rear IO	2x 10GbE SFP+, 2x USB 3.0, VGA	
Front IO	USB, LEDs: Pwr, Drive, ID	
Power	800W Redundant	
Fans	N+1 Redundant	
Available	EVT: September 2017	

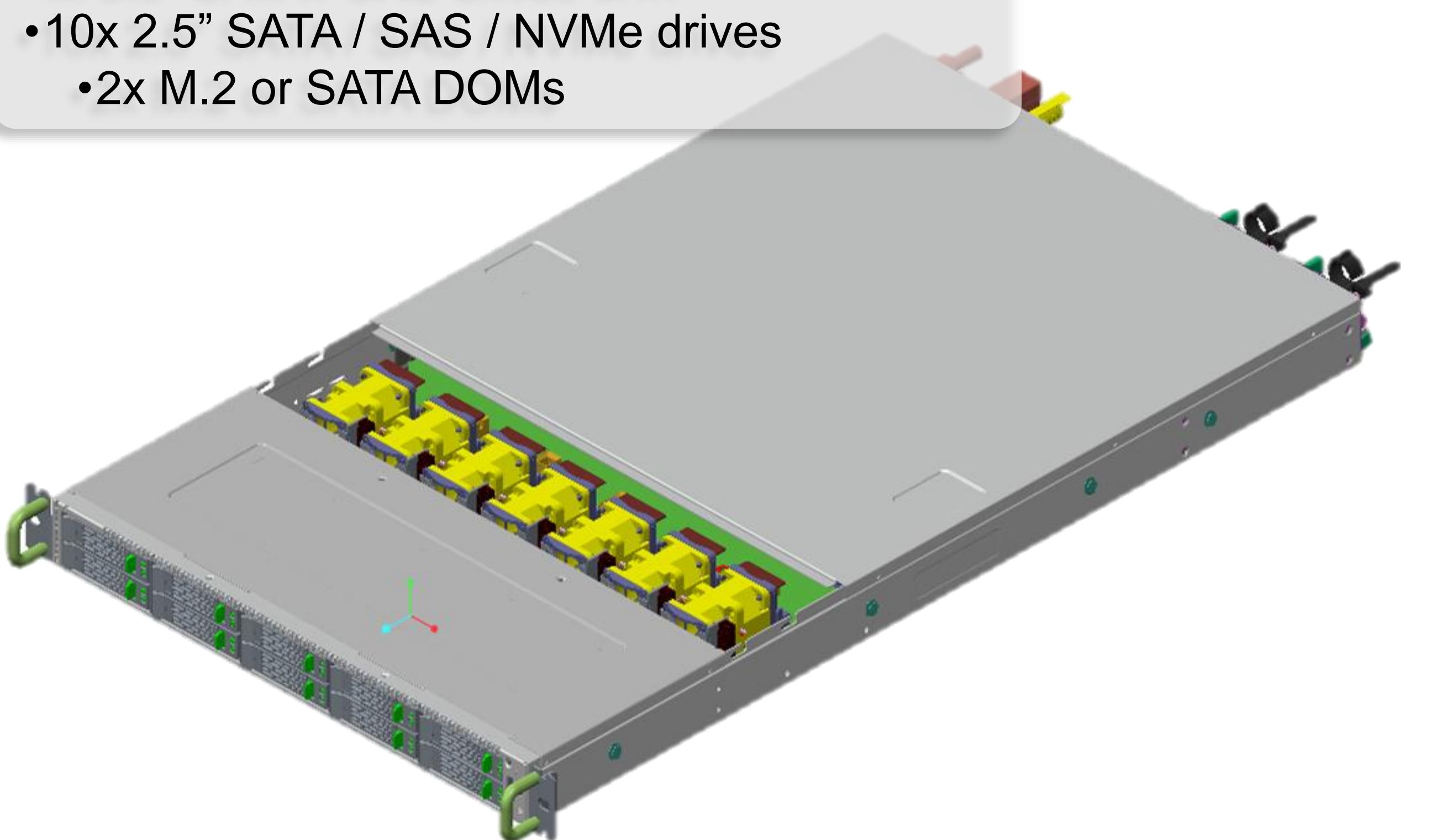


Hawkeye Block Diagram

STACK
VELOCITY



- 1U AMD Cache server and head node
- 4x 3.5" SATA / SAS drives or...
- 10x 2.5" SATA / SAS / NVMe drives
- 2x M.2 or SATA DOMs

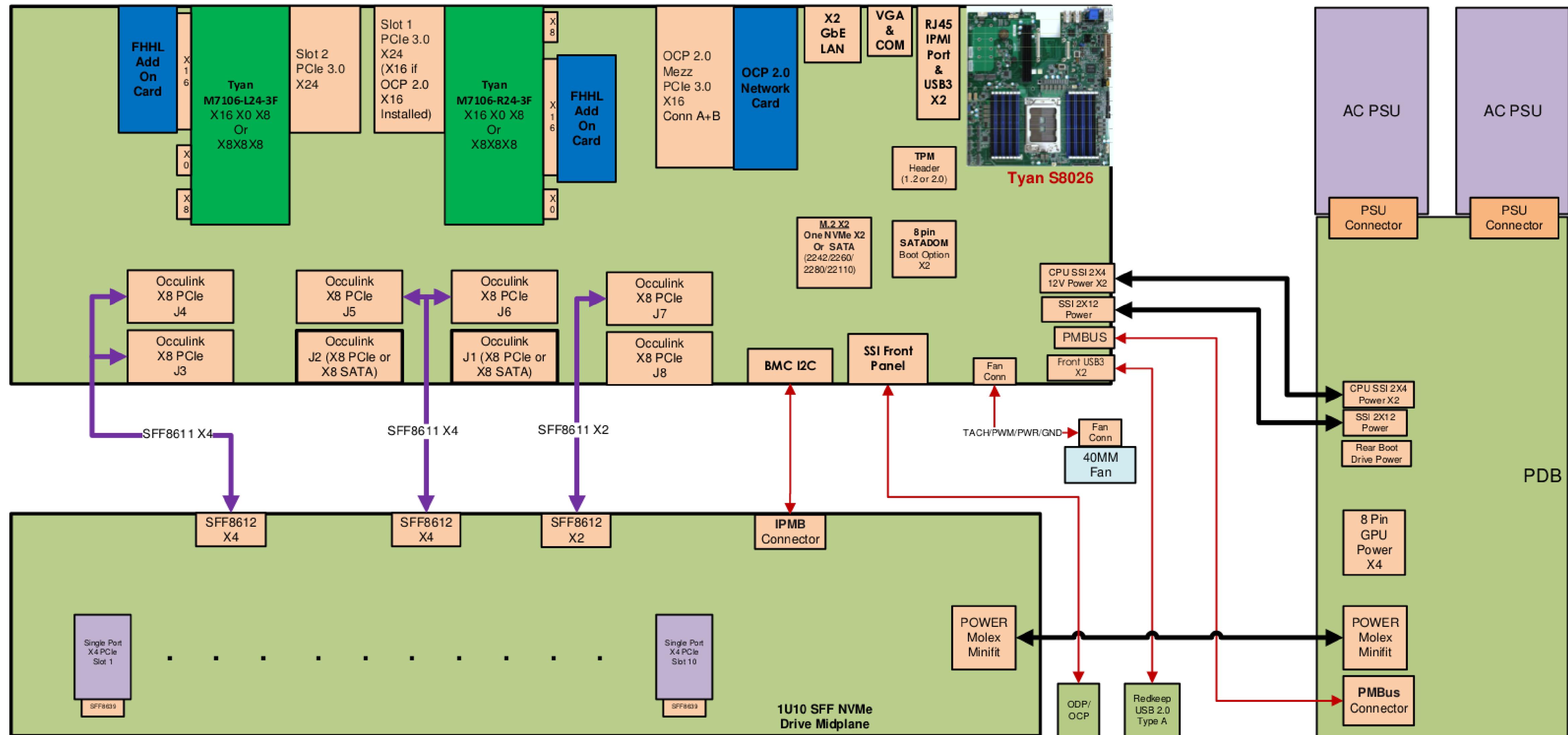


nvm
EXPRESS

Feature	Specification	
Size	1U x 17.2" x 30"	
CPU	1x AMD® Naples (up to 180W)	
Memory	16x DDR4 2666MHz L/RDIMM	
LAN	2x 1GbE BaseT 25G/40G/50G or 100G via OCP Mezz	
Drives	4x 3.5" 12G SAS or 6G SATA III	10x 2.5" SAS / SATA / NVMe
	2x internal (7mm or SATA DOM) boot drives 2x M.2	
PCIe	2x PCIe x16 1x OCP (x16)	
BMC	AST2500 IPMI 2.0 dedicated	
Rear IO	2x 10GbE (RJ45), 2x USB 3.0, VGA	
Front IO	USB, LEDs: Pwr, Drive, ID	
Power	800W Redundant	
Fans	N+1 Redundant	
Available	Q4, 2018	

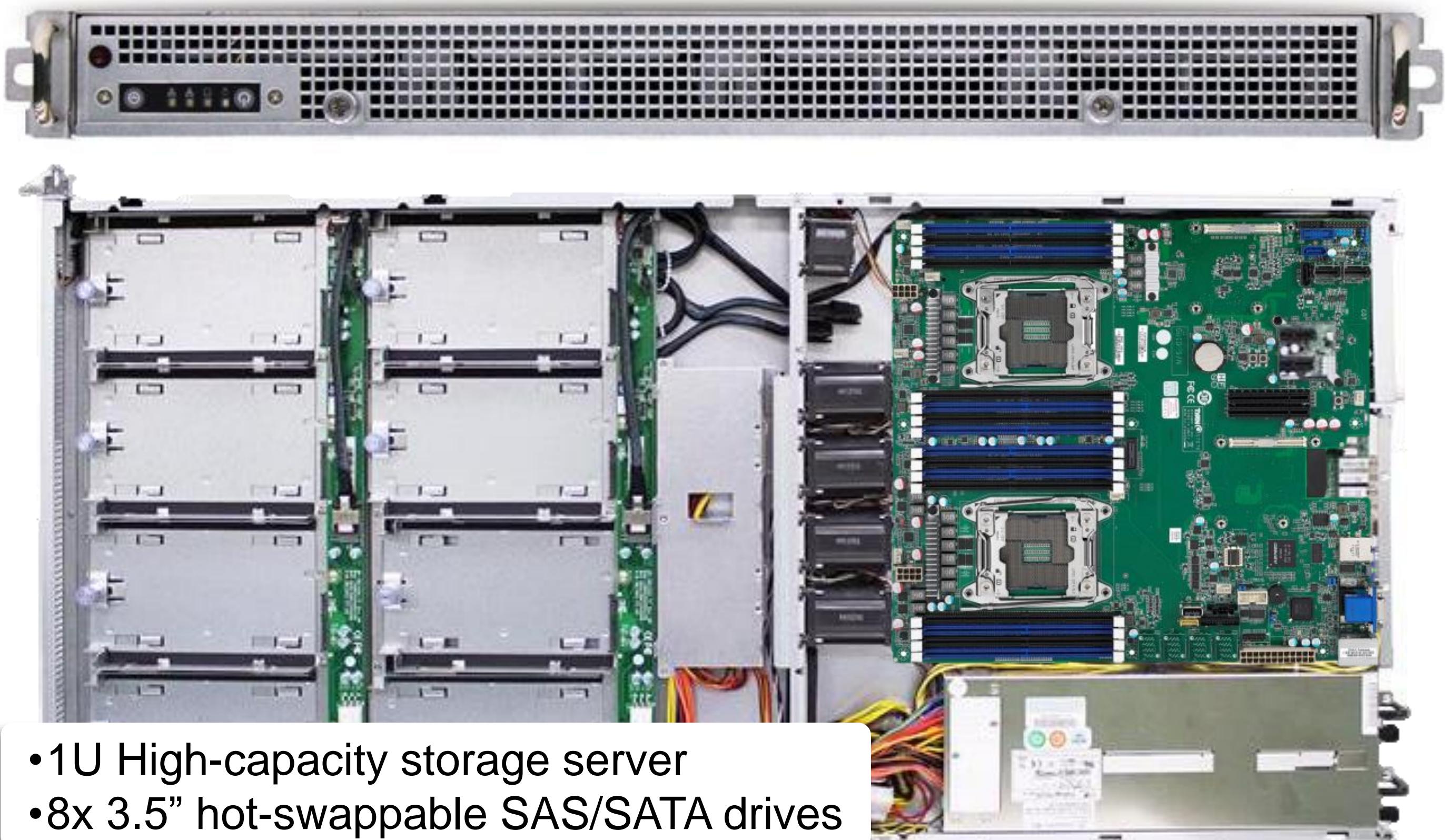
Ares Block Diagram

STACK
VELOCITY



SV1108S-2V4-1

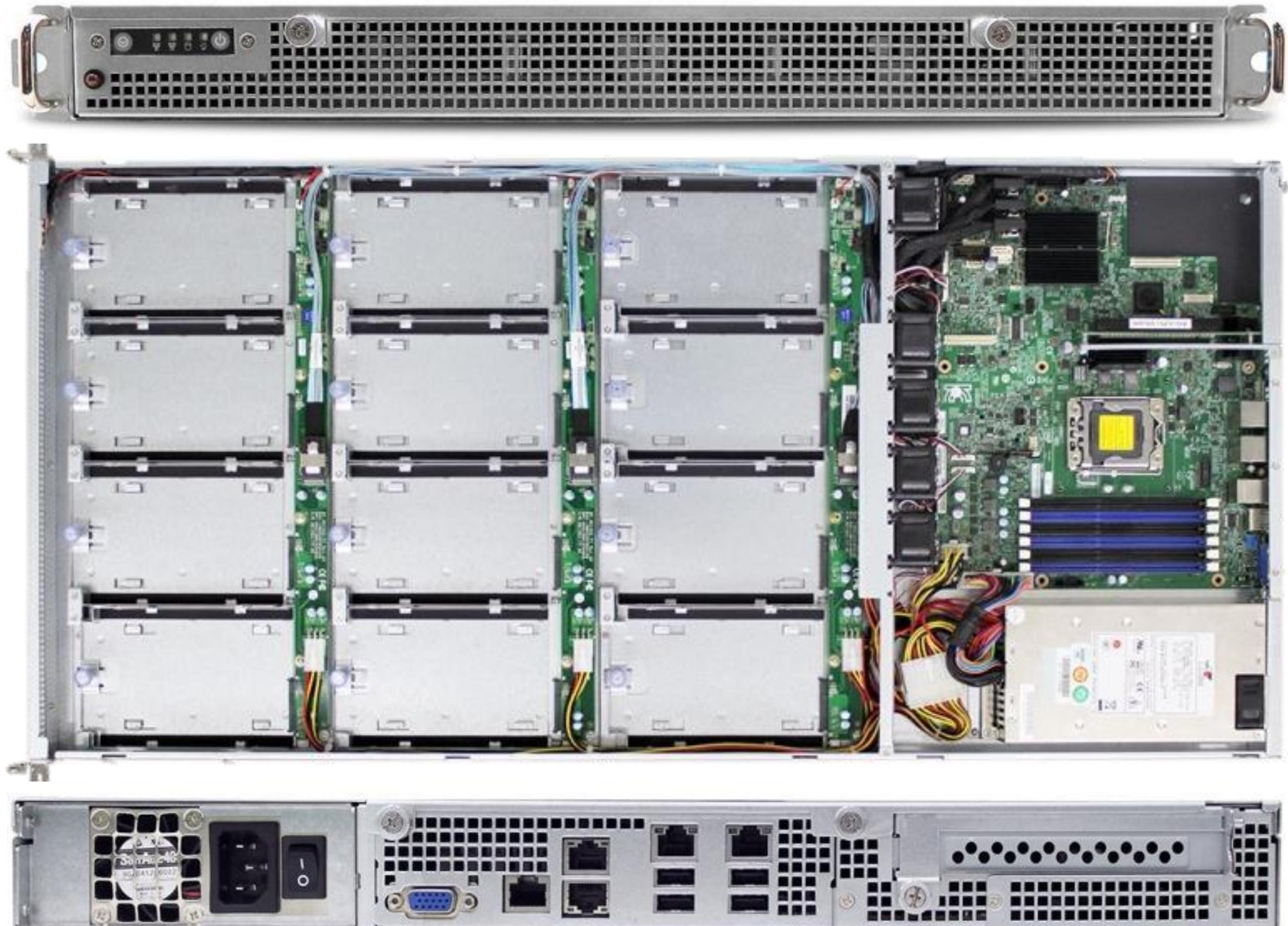
STACK
VELOCITY



Feature	Specification	
Size	1U x 19" x 35.8"	
CPU	2x Intel® E5-2600v3 and v4	
Memory	16x DDR4 2400MHz L/RDIMM to 1024GB	
LAN	2x 10GbE SFP+ via OCP Mezz	
Drives	8x 3.5" hot swap + 2x 2.5" (all internal)	
PCIe	1x PClex8 (FHHL)	
BMC	AST2400 IPMI 2.0 dedicated	
Rear IO	USB 2.0 (x2), VGA, COM	
Front IO	Buttons: Pwr, Rst LEDs: Pwr, LAN, HDD	
Power	520W Platinum	500W RPS Gold
Fans	Non-redundant	
Available	Now	



- 1U High-capacity, low-power storage server
- 12x 3.5" hot-swappable SAS/SATA drives



Feature	Specification
Size	1U x 19" x 35.8"
CPU	1x Intel® E5-2600 v3 & v4
Memory	8x DDR4 2400MHz L/RDIMM to 256GB
LAN	2x 1GbE RJ45
Drives	12x 3.5" hot swap + 2x 2.5" (all internal)
PCIe	1x PCIe x16 (FHFL)
BMC	AST2400 IPMI 2.0 Shared
Rear IO	LAN, Power, VGA
Front IO	Buttons: Pwr, Rst LEDs: Pwr, LAN, HDD
Power	520W Platinum
Fans	Non-redundant
Available	Now

SV2124N-2V4-1

STACK
VELOCITY



- 2U High Performance Cache Server
- 24x 2.5" NVMe and 2x 2.5" Boot Drives
- Large In-Memory Database applications

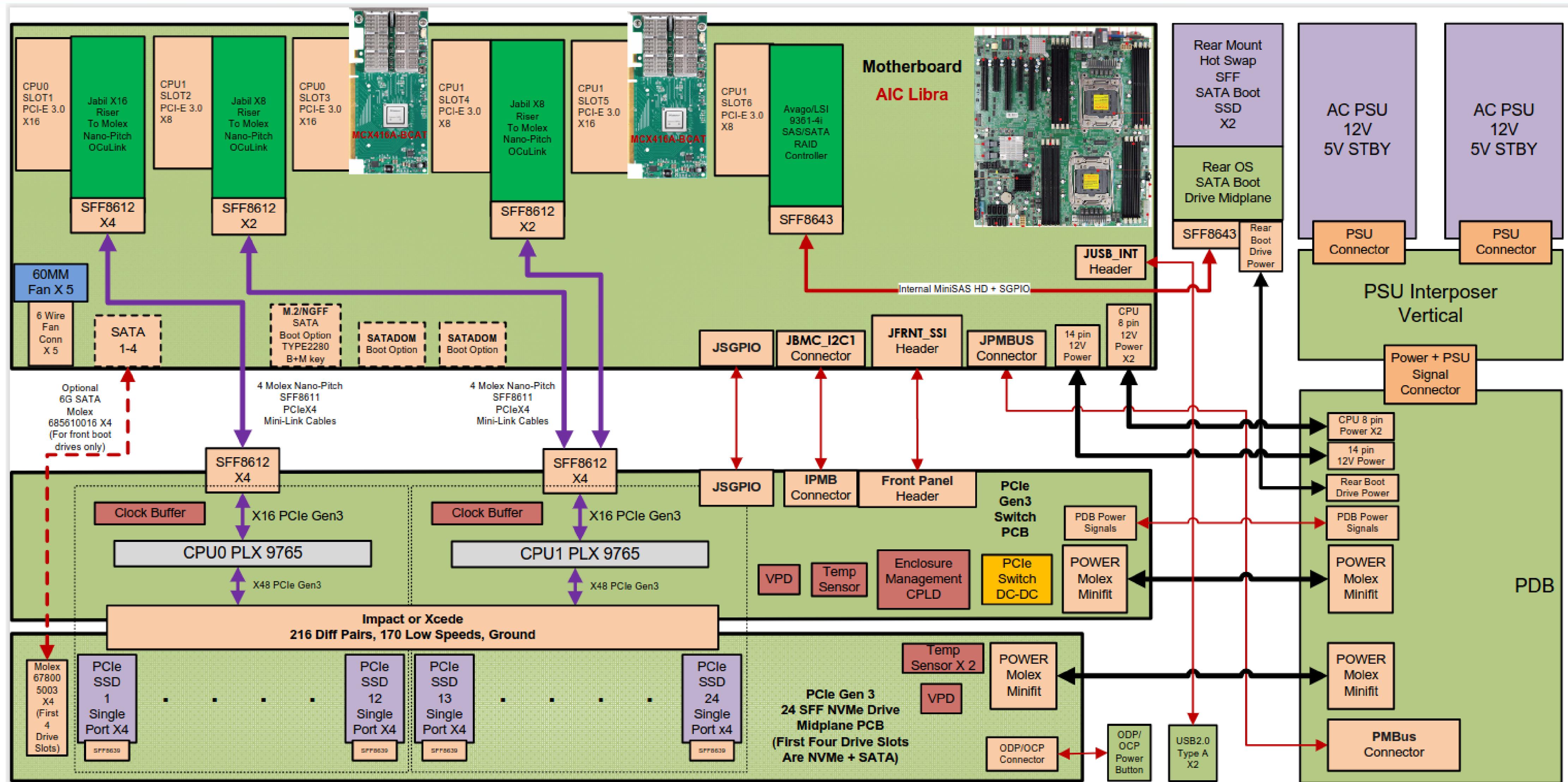


Feature	Specification
Size	2U x 17.2" x 29"
CPU	2x Intel® E5-2600v3 and v4 up to 145W
Memory	16x DDR4 2400MHz L/RDIMM
LAN	2x 1GbE 4x 1GbE, 10GbE SFP+, 40GbE QSFP, or FDR
Drives	24x 2.5" NVMe 2x 2.5" SAS/SATA Rear Boot
PCIe	3x PCIe x16g3 (HHHL) 3x PCIe x8g2 (HHHL)
BMC	AST2400 IPMI 2.0 dedicated
Rear IO	2x USB 2.0, VGA, COM
Front IO	Buttons: Pwr, Rst LEDs: Pwr, LAN, HDD
Power	1200W 1+1 redundant Gold
Fans	4+1 Redundant
Available	Now

SV2124N-2V4-1

Block Diagram

STACK
VELOCITY



SV2124T-2V4-1

STACK
VELOCITY

- 2U High Performance Cache Server
- 24x 2.5" NVMe/SAS/SATA and 2x 2.5" Boot Drives
- Large In-Memory Database applications

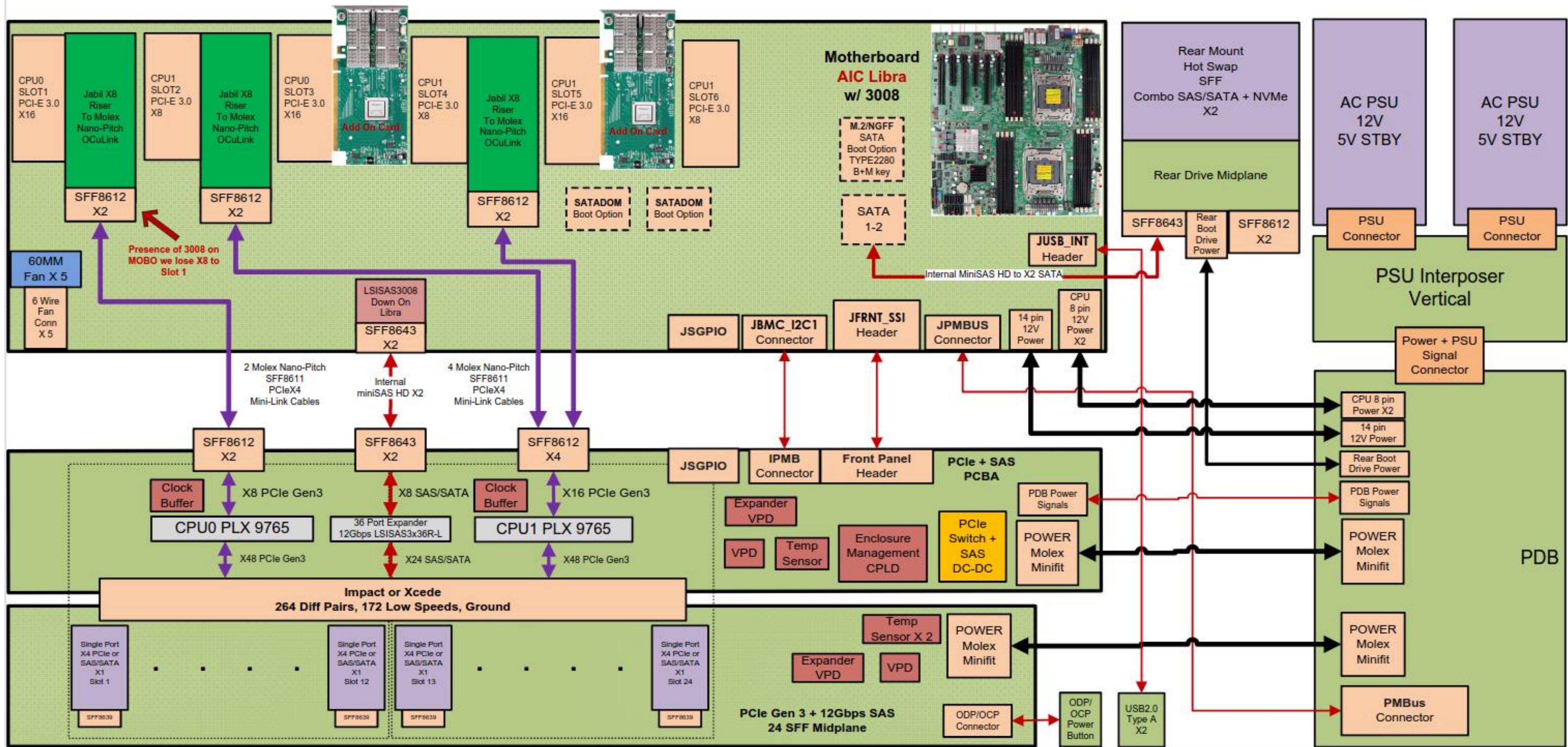


Feature	Specification	
Size	2U x 17.2" x 29"	
CPU	2x Intel® E5-2600v3 and v4	
Memory	Option 1: 24x DDR4 2400MHz L/RDIMM Option 2: 16x DDR4 2400MHz L/RDIMM	
LAN	Option 1: 4x 1GbE, 1x Dedicated IPMI Option 2: 2x 1GbE, 1x Dedicated IPMI	
Drives	12x 3.5" HS 4x optional NVMe 2x SATA DOM 2x rear 2.5" HS	24x 2.5" HS SAS / SATA / NVMe 2x SATA DOM 2x rear 2.5" HS
PCIe	Option 1: 3 PCI-Ex16, 3 PCI-E x8, 1 PCI-E x4 Option 2: 3 PCI-E x16, 3 PCI-E 3.0 x8	
BMC	AST2400 IPMI 2.0 dedicated	
Rear IO	USB 2.0 (x2), VGA, COM	
Front IO	Buttons: Pwr, Rst LEDs: Pwr, LAN, HDD	
Power	Max 1200W 1+1 redundant Gold	
Fans	4+1 Redundant	
Available	Now	

SV2124T-2V4-1

Block Diagram

STACK
VELOCITY

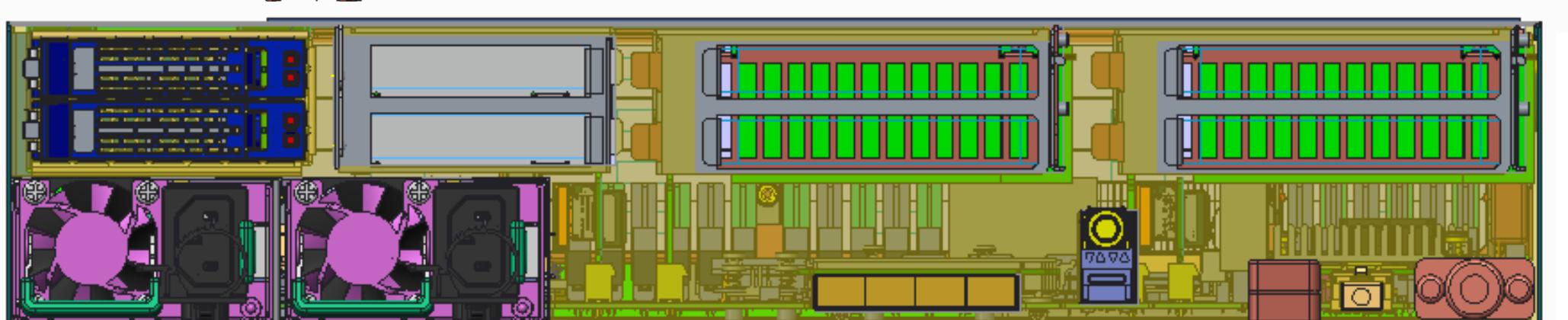
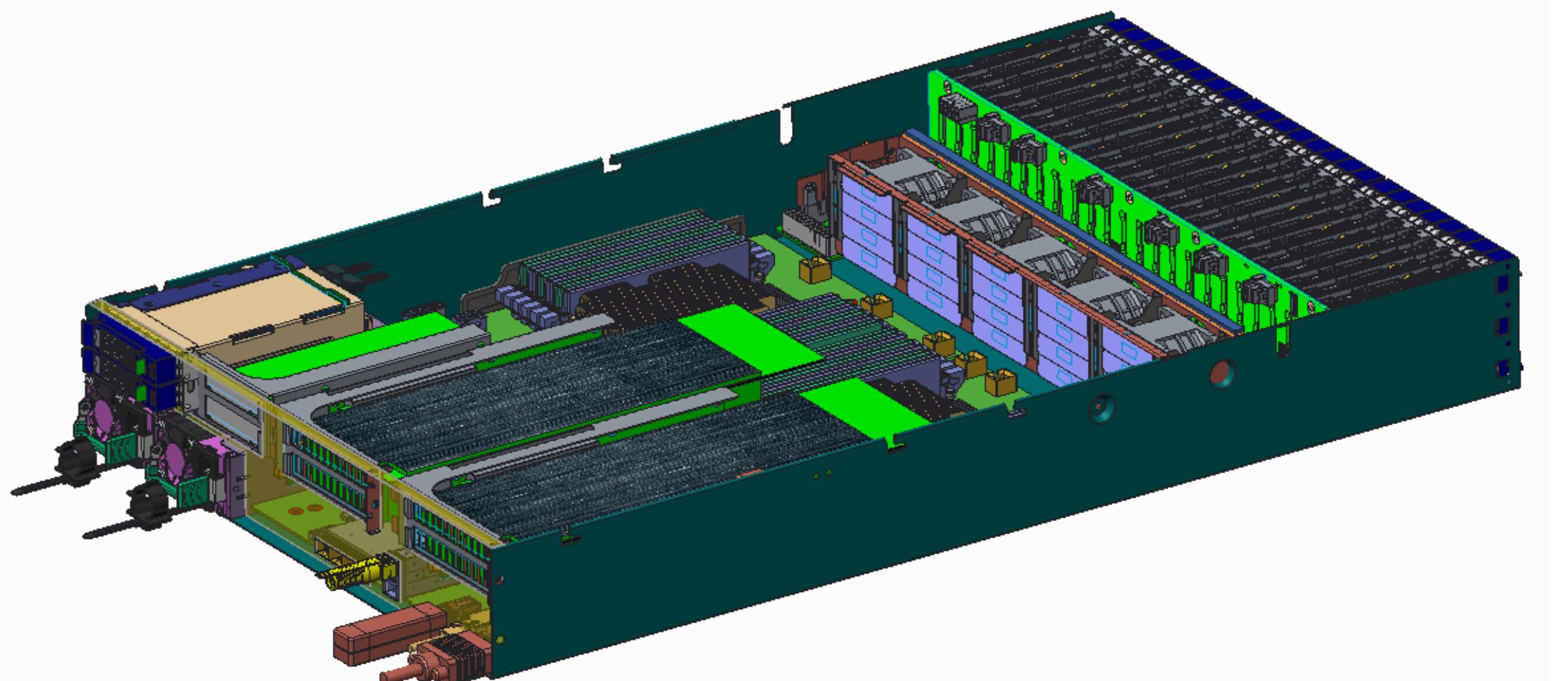


- 2U Cost Effective Server
- 12x 3.5" SAS/SATA and 2x 2.5" Boot Drives
- Large In-Memory Database applications



Feature	Specification
Size	2U x 17.2" x 27.56"
CPU	2x Intel® E5-2600v3 and v4
Memory	16x DDR4 2400MHz L/RDIMM
LAN	2x 1GbE, 1x Dedicated IPMI
Drives	12x 3.5" SAS/SATA 2x 2.5" SATA (Internal) 2x SATA DOM
PCIe	2 PCI-E x16 (x8 Link) , 3 PCI-E 3.0 x8
BMC	AST2400 IPMI 2.0 dedicated
Rear IO	USB 2.0 (x2), VGA, COM
Front IO	Buttons: Pwr, Rst LEDs: Pwr, LAN, HDD
Power	Max 770W 1+1 redundant Platinum
Fans	4+1 Redundant
Available	Now

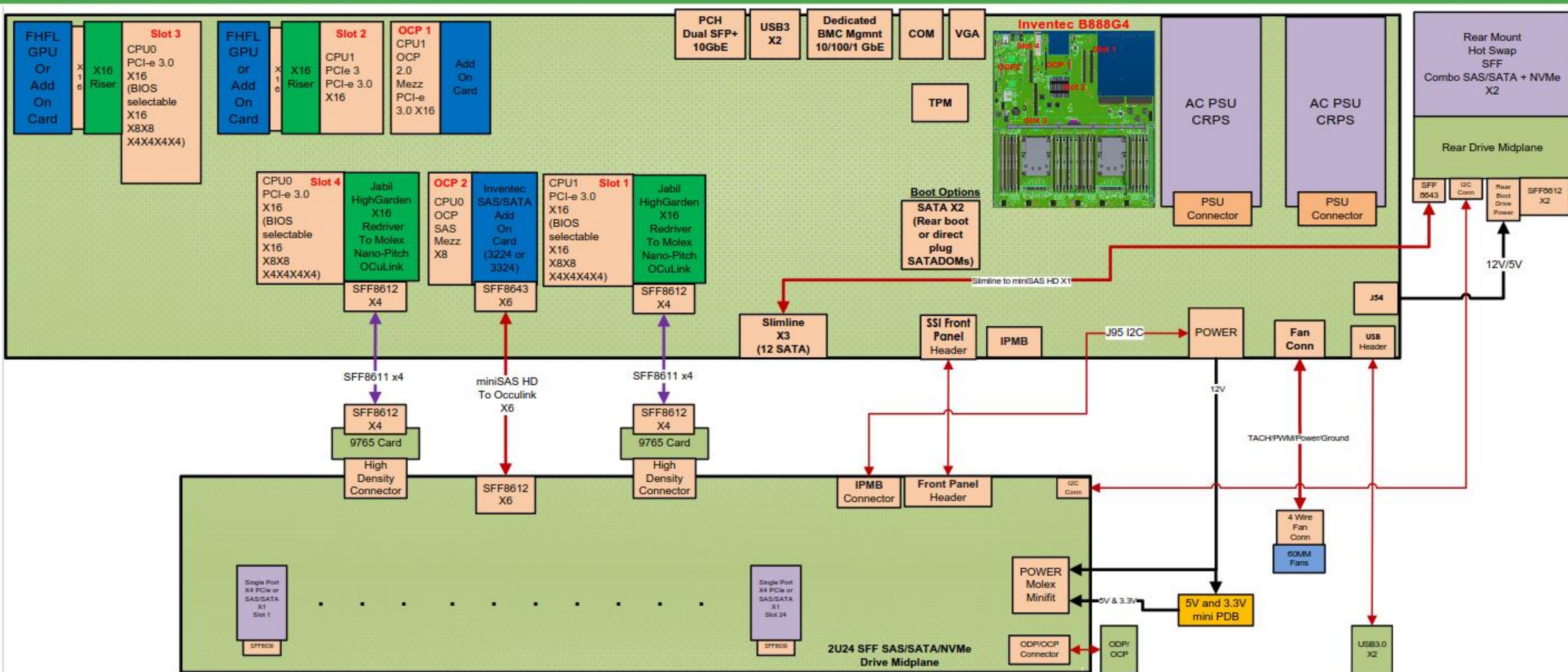
- 2U High Performance Cache Server
- 24x 2.5" NVMe/SAS/SATA and 2x 2.5" Boot Drives
- Large In-Memory Database applications, HPC, and AI applications
- Optional support for two GPUs



Feature	Specification	
Size	2U x 17.2" x 30"	
CPU	2x Intel® Skylake-SP	
Memory	Option 1: 24x DDR4 2666MHz L/RDIMM Option 2: 16x DDR4 2666MHz L/RDIMM	
LAN	Option 1: 2x 10GbE SFP+, 1x Dedicated IPMI Option 2: 2x 1GbE, 1x Dedicated IPMI	
Drives	12x 3.5" 4x optional NVMe 2x SATA DOM 2x rear 2.5" HDD 2x M.2 (Optional)	24x 2.5" SAS / SATA / NVMe 2x SATA DOM 2x rear 2.5" HDD 2x M.2 (Optional)
PCIe	Option 1: 3 PCI-E x16, 2 PCI-E x8, Option 2: 3 PCI-E x16	
OCP	Option1: 1x OCP (x16) + 1x OCP (x8) Option2: 2x OCP (x16)	
BMC	AST2500 IPMI 2.0 dedicated	
Rear IO	2x USB 3.0, VGA, COM	
Front IO	Buttons: Pwr, Rst LEDs: Pwr, LAN, HDD & 2x USB 2.0	
Power	Max 1600W 1+1 redundant	
Fans	4+1 Redundant	
Available	EVT: Q4/2017	

Thor Block Diagram

STACK
VELOCITY



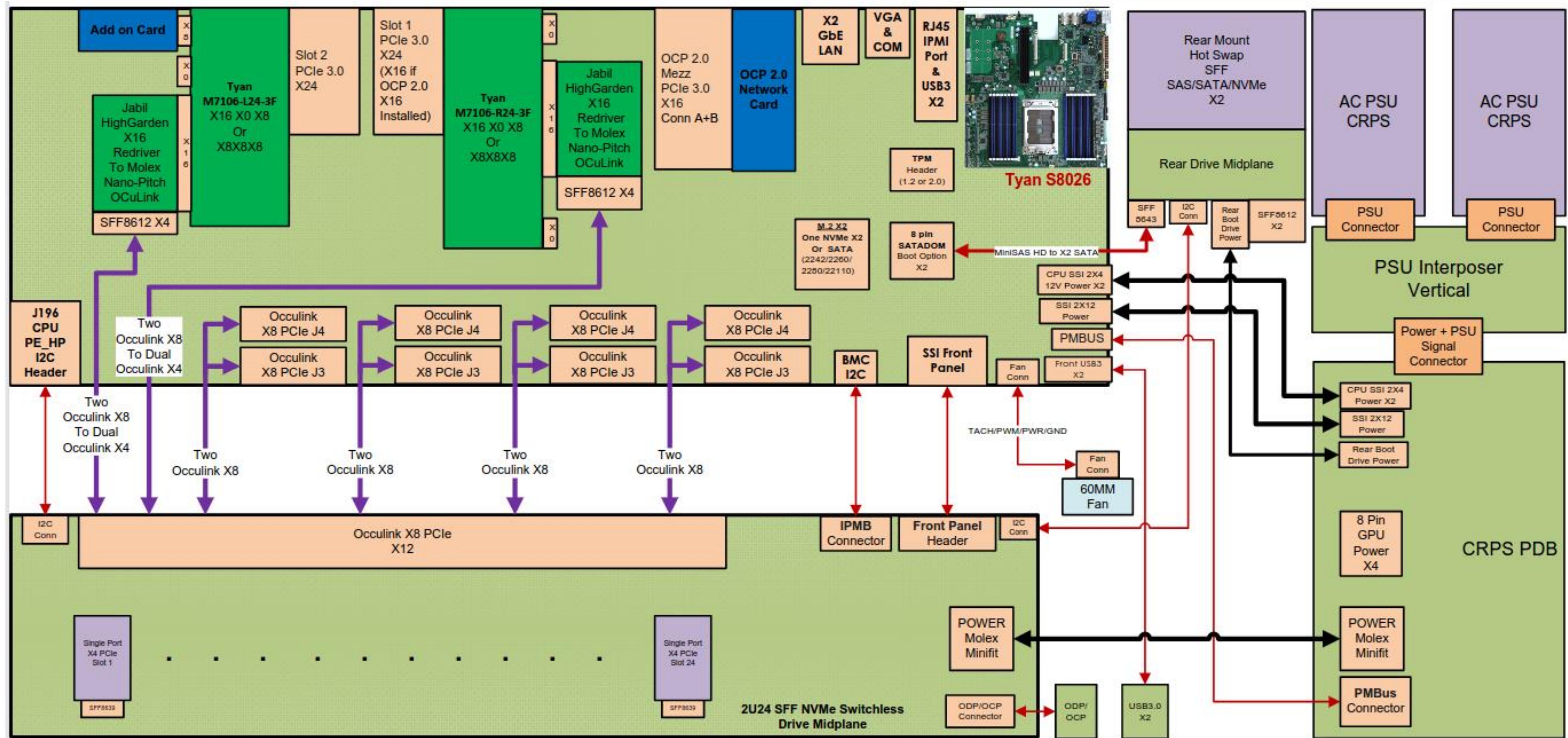
- 2U High Performance Cache Server
- 24x 2.5" NVMe/SAS/SATA and 2x Boot Drives
- Large In-Memory Database, HPC, and AI applications
- Optional support for two GPUs



Feature	Specification	
Size	2U x 17.2" x 29.03"	
CPU	Single AMD® Naples processor (up to 180W)	
Memory	16x DDR4 2667MHz L/RDIMM	
LAN	2x 1GbE Base-T 10/25/50/100 GbE via OCP 2.0 Mezz	
Drives	12x 3.5" 12G SAS or 6G SATA III	24x 2.5" SAS / SATA / NVMe
	2x internal (7mm or SATA DOM) boot drives 2x NVMe M.2	
PCIe	1x PCIe x24 or 1x OCP x16, 1x PCIe x16	
BMC	AST2500 IPMI 2.0 dedicated	
Rear IO	2x 1GbE RJ45, 2x USB 3.0, VGA, COM	
Front IO	USB 2.0 (x2), LEDs: Pwr, Drive, ID	
Power	1200W 1+1 Redundant	
Fans	N+1 Redundant	
Available	Q1/2018	

Loki Block Diagram

STACK
VELOCITY



SV3132S-2V4-1

STACK
VELOCITY

- 3U High Performance Storage Server
- 32x 2.5" SAS/SATA and 2x 2.5" Boot Drives
- Large In-Memory Database applications



Feature	Specification
Size	3U x 17.2" x 35.5"
CPU	2x Intel® E5-2600v3 and v4
Memory	16x DDR4 2400MHz L/RDIMM to 1024GB
LAN	2x 10GbE SFP+ or 2x 1GbE BaseT via OCP Mezz
Drives	32x 3.5" hot swap
	2x internal (7mm or SATA DOM) boot drives
PCIe	3x PCIe x16g3 FHFL 1x PCIe x8g3 FHFL
BMC	AST2400 IPMI 2.0 dedicated
Rear IO	USB 3.0 (x2), VGA, COM
Front IO	Buttons: Pwr, Rst LEDs: Pwr, LAN, HDD
Power	1200W 1+1 redundant Gold
Fans	2+1 Redundant
Available	Now



Portfolio Introduction

GPU

Colossus

STACK
VELOCITY

- 2U- High Density HPC with 8 double width GPUs
- 6x 2.5" SAS/SATA and 2x 2.5" NVMe



Feature	Specification
Size	2U x 17.6" x 31.49"
CPU*	2x Intel® processor E5-2600 v3/v4
Memory*	24x DDR4 2400MHz L/RDIMM
LAN*	2x 10GbE SFP+
Drives	6x 2.5" SAS/SATA 2x 2.5" NVMe
PCIe*	8x PCIe x16 * 1 x PCIe x8 (HHHL) 1x Mezzanine (PCIe x8)
BMC*	AST 2500 IPMI 2.0
Power	2200W Redundant PSUs
Fans	N+1 Redundant
Available	Q3/2017

*Optional support for nVidia Tesla or Xeon Phi or AMD FirePro GPUs

*Per node

Juggernaut

STACK
VELOCITY

- 4U- High Density HPC with 8 double width GPUs
- 12x 2.5" SAS/SATA



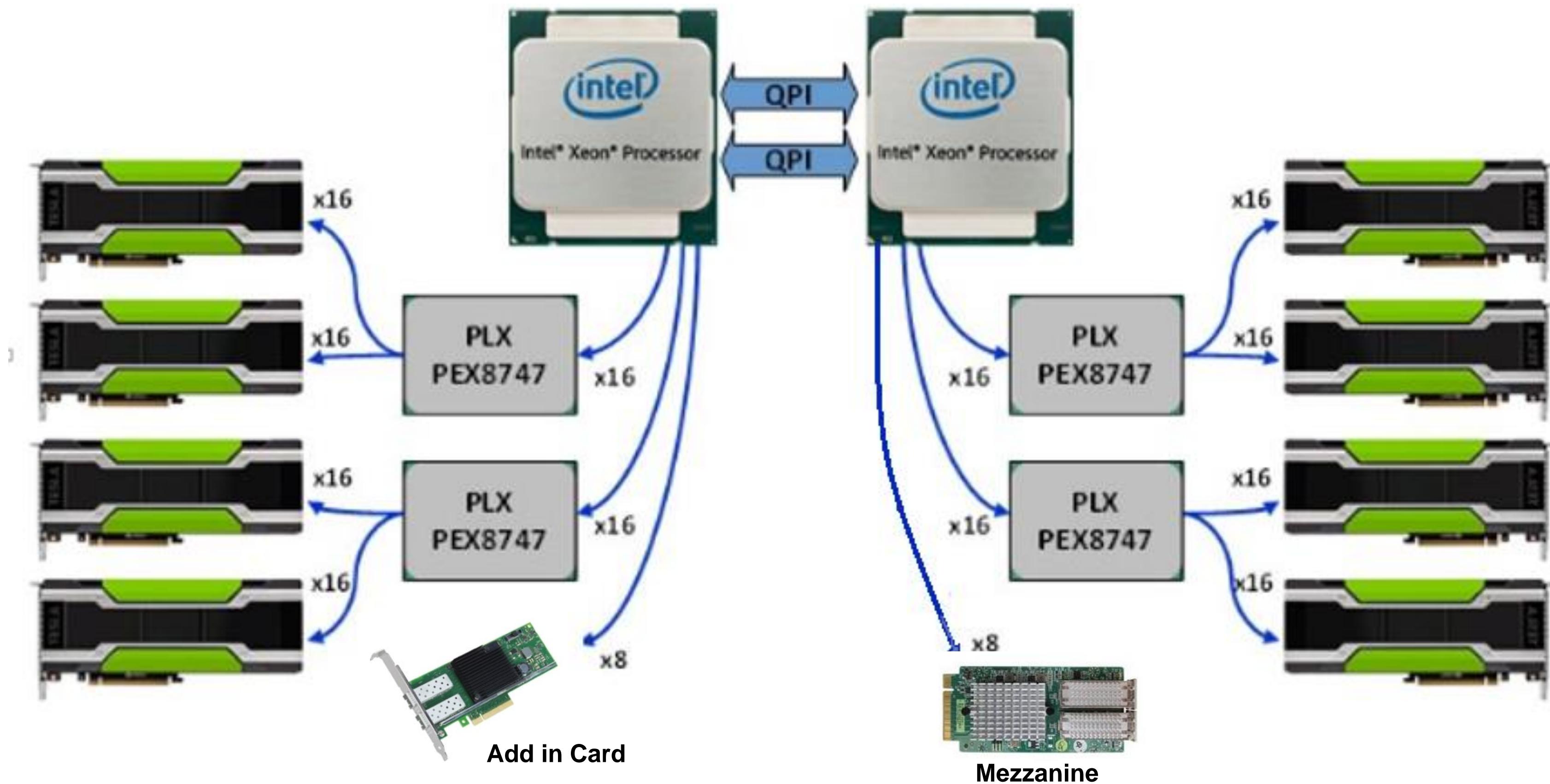
8x double width GPU

Feature	Specification
Size	4U x 17.24" x 30.31"
CPU	2x Intel® Processor E5-2600 v3/v4
Memory	24x DDR4 2400MHz L/RDIMM
LAN*	2x 1GbE Optional 2x 10GbE SFP+ (10Base-T)
Drives	12x 2.5" hot-swap SAS/SATA
PCIe	8x PCIe x16* 1x PCIe Gen3 x8, 1x Mezz PCIe x8
BMC*	AST 2500 IPMI 2.0
Power	2000W Redundant Platinum PSUs
Fans	N+1 Redundant
Available	Q3/2017

*Optional support for nVidia Tesla or Xeon Phi or AMD FirePro GPUs

Juggernaut

STACK
VELOCITY

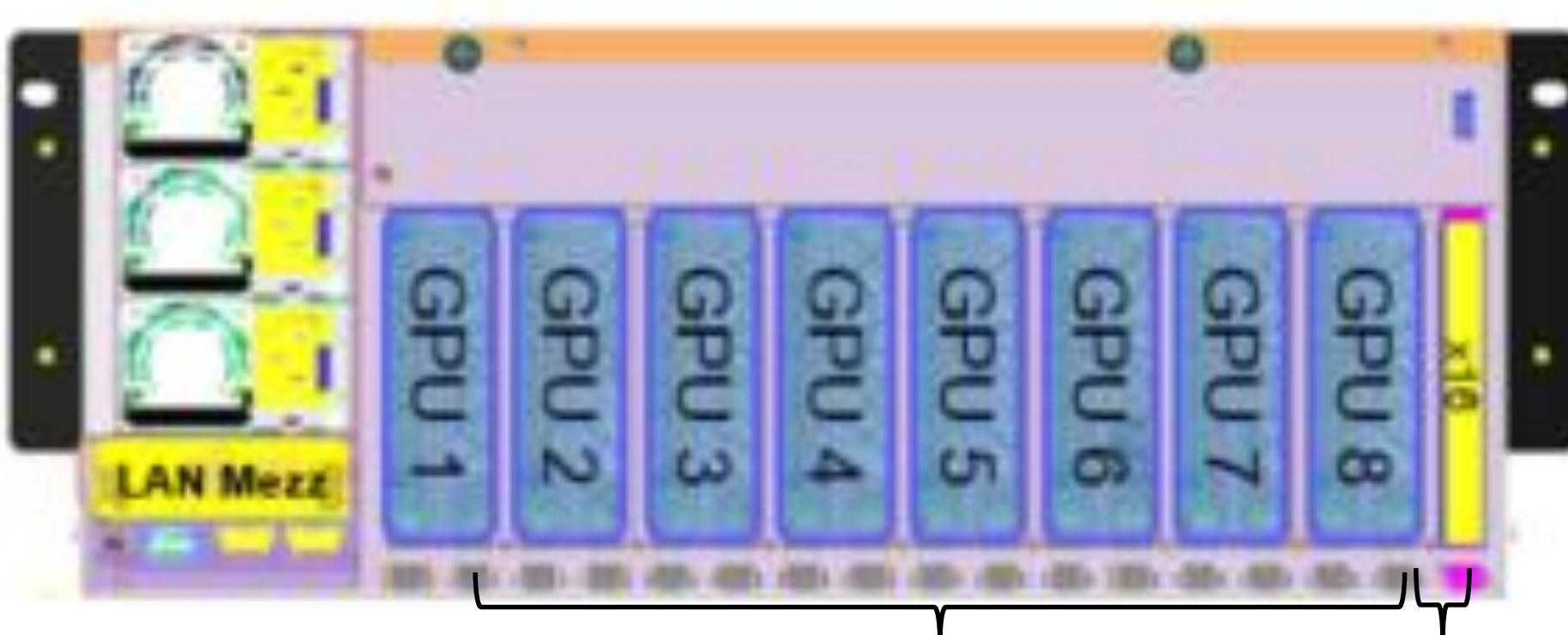


Juggernaut II

STACK
VELOCITY

- 4U- High Density HPC with 8 double width GPUs
- 14x 2.5 SAS/SATA (Optional 4 NVMe)

nvm
EXPRESS



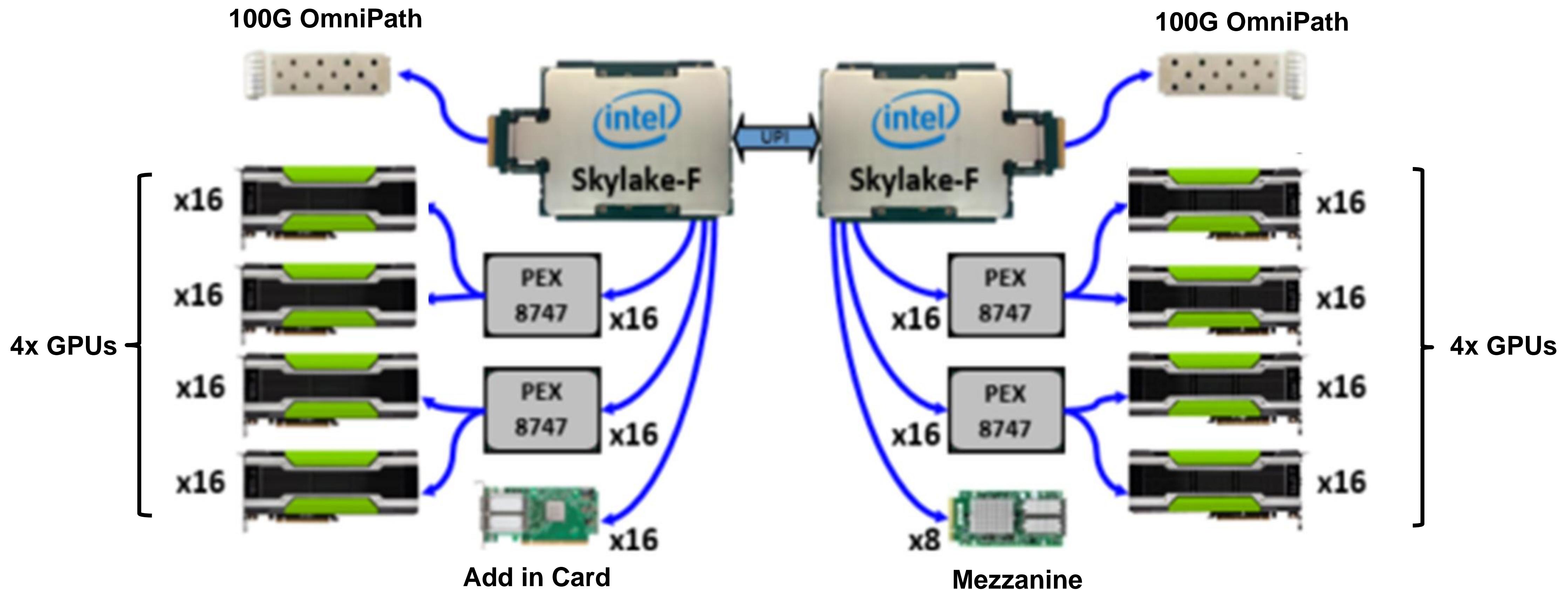
8x double width GPU 1 PCIe x16

Feature	Specification
Size	4U x 17.24" x 30.31"
CPU	2x Intel® Processor Skylake
Memory	24x DDR4 2666MHz L/RDIMM
LAN*	2x 10G (Base-T)
Drives	14 SAS /SATA optional 4 NVMe drives
PCIe	8x PCIe x16 double width 1x PCIe x16 Gen3 single width 1x Mezz PCIe x8
BMC*	AST 2500 IPMI 2.0
Power	3200W Redundant Platinum PSUs
Fans	N+1 Redundant
Available	Q4/2017

*Optional support for nVidia Tesla or Xeon Phi or AMD FirePro GPUs

Juggernaut II

STACK
VELOCITY





Portfolio Introduction

Multi-Node

Twin HA2 / Non-HA2

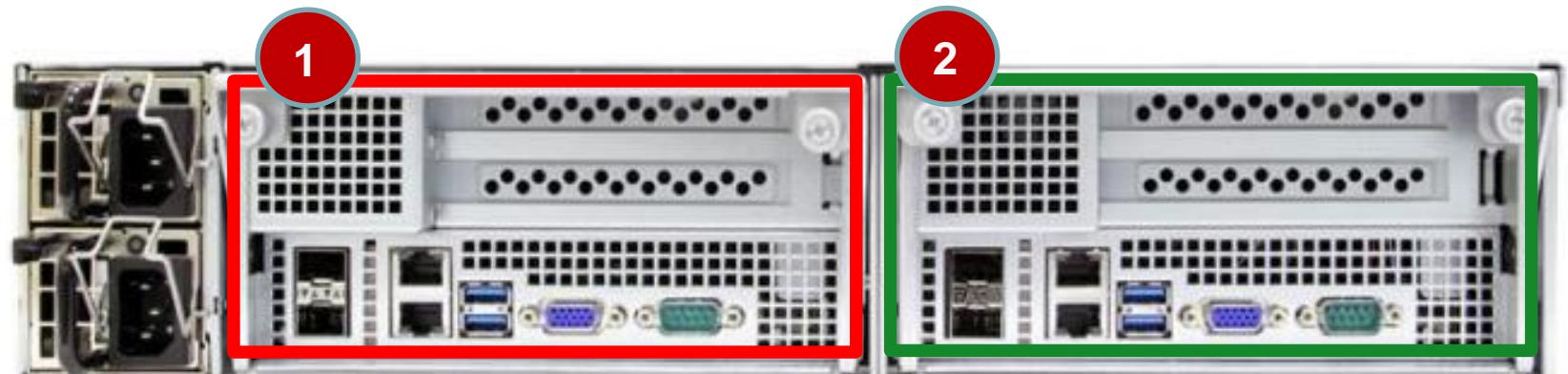
STACK
VELOCITY

- 24x 2.5" SAS / SATA/NVMe drives to 25W
- Enables clustered or dual server applications
- High-Availability and non-HA versions



Feature	Specification
Size	2U x 17.2" x 32"
CPU*	2x Intel® E5-2600v3 and v4
Memory*	16x DDR4 2400MHz L/RDIMM to 512GB
LAN*	2x 10GbE SFP
Drives	24x 2.5" hot-swap NVMe/SAS/SATA
PCIe*	2x PCIe x16 add-in cards
BMC*	AST 2400 IPMI 2.0
Power	2000W PSUs (Redundant)
Fans	N+1 Redundant
Available	Under Validation

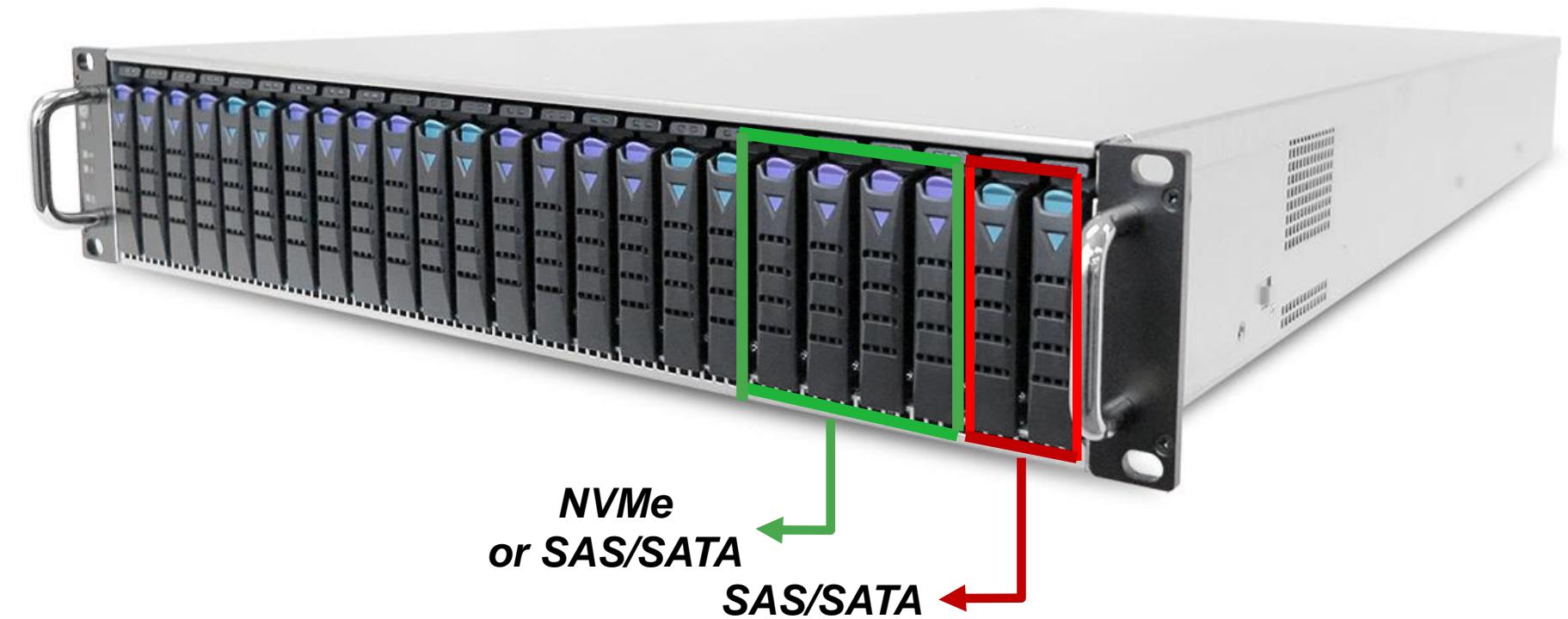
*Per node



RiverRun2

STACK
VELOCITY

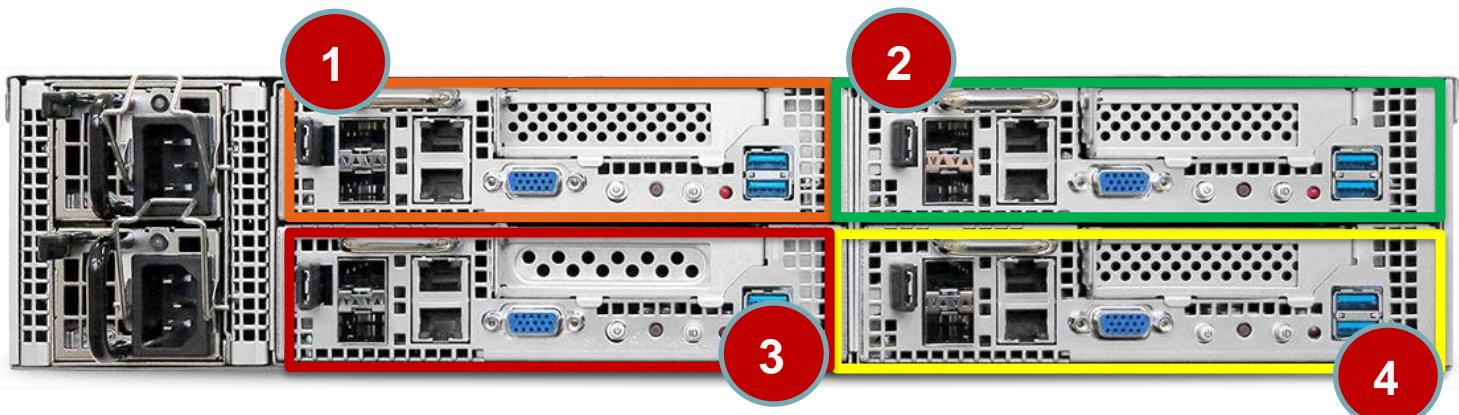
- Quad Node with
- 24x 2.5" SAS / SATA drives to 25W
- 16x 2.5" NVMe + 8 SAS/SATA



Feature	Specification
Size	2U x 17.2" x 33.46"
CPU*	2x Intel® E5-2600v3 and v4
Memory*	16x DDR4 2400MHz L/RDIMM to 512GB
LAN*	2x 10GbE SFP 2x 1GbE BaseT
Drives	24x 2.5" SAS/SATA 16x2.5" NVMe + 8x2.5" SAS/SATA
PCIe*	1x PCIe x8 add-in cards (HHHL)
BMC*	AST 2400 IPMI 2.0
Power	Up to 2000Watt PSUs (Redundant)
Fans	N+1 Redundant
Available	Under Validation

*Per node

Note: For stability it is recommended to use 84W CPU





Portfolio Introduction

JBODs

SVJ2212SH-1

SVJ2224SH-1

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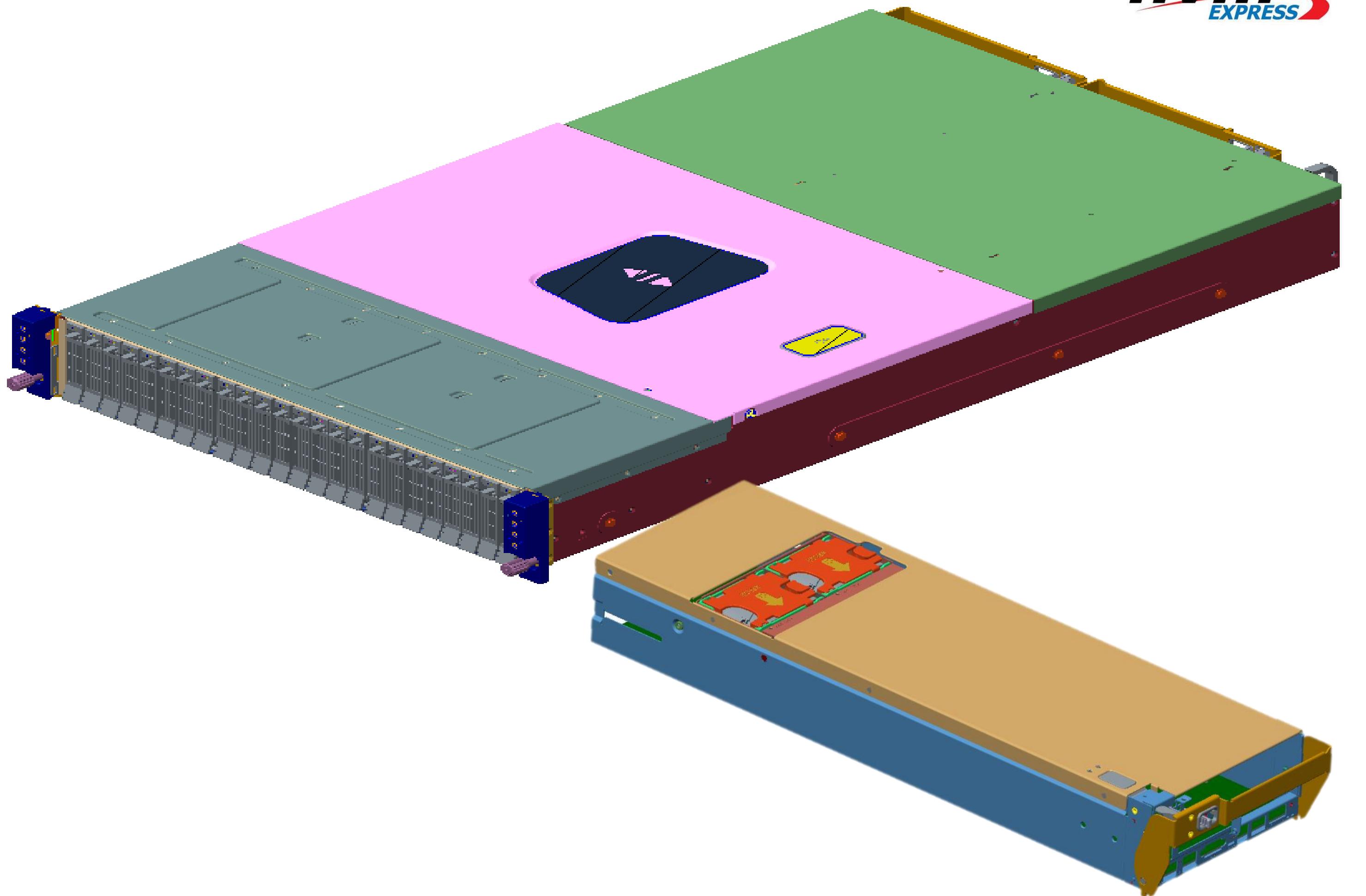


Feature	Specification	
Size	2U x 17.2" x 21"	
Drives	12x 3.5" hot-swap	24x 2.5" hot-swap
Power	1+1 450W Redundant	
Fans	N+1 Redundant	
Available	Now	



QueensGate 3

STACK
VELOCITY



Feature	Specification
Size	2U x 17.2" x 25"
	Lid: Toolless, security, or Phillips thumbscrew
Drives	24x 2.5" hot-swap NVMe
	15mm 25W drives
	Dual Ported (2 lanes to each controller)
Controller	96 port PCIe switch chips
	Fully redundant
	Active – Active
PCIe	3x PCIe x16 (FHHL)
BMC	IPMI via 1GbE RJ45
Power	Up to 1200W Redundant
Fans	N+1 Redundant
Available	Under consideration

SVJ4260SH-1

STACK
VELOCITY



Feature	Specification
Size	4U x 17.2" x 36"
Drives	60x 3.5" hot-swap
Power	3+1 Redundant
Fans	N+1 Redundant
Available	Now



SVCJ2345S-1

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Dual 2.5" Drive Carrier for Slot 1



OPENTM

Compute Project

SOLUTION PROVIDER

StackVelocity Confidential

- Three 15x 3.5" Drive JBOD sleds in 2 OU shelf
 - 50% more dense than today's OCP JBODs
- Each sled and drive is individually serviceable
- Open Rack v1 and v2 compatible
- Combine with Compute nodes to create storage servers

Feature	Specification	
Usage	OCP Hadoop, Tier 1 – 4 Storage	
Size	2 OU x 21" x 31.5"	
Interface	12G SAS	
Drives	15 3.5" Drives per Sled	3 Sleds per Shelf
	3.5" and 2.5"	
	12G SAS or 6G SATA Hot Swap	
	Supports Dual 2.5" 9mm drives in Slot 1	
Front IO	2x External Mini-SAS (SFF-8644) OCP Debug Card Interface	
Power	12V Open Rack – Single Power Clip Compatible with V1 or V2 Open Rack	
Fans	6x Hot Swap Fans	
Weight	Chassis: 40lbs	Loaded: 115lbs
Available	Preproduction Now	



Contact us to learn more:

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