



OPEN
Compute Project



OCP U.S. SUMMIT 2017

Santa Clara, CA



New Rack & Server Solutions Supporting OCP Initiatives

Doug Bone / VP Enterprise Products / Hyve Solutions

OPEN HARDWARE.

OPEN SOFTWARE.

OPEN FUTURE.



Company Facts



Hyve Solutions Corporation

- A wholly owned subsidiary of SYNnex
- Design & Integration of node and rack level server/storage solutions for hyper-scale data centers.
- Founding partner & lead integrator of Open Compute Platform (OCP) and largest OCP Integrator in the world



SYNNEX Corporation (NYSE: SNX)

- \$13.8 Billion Global Information Technology company
- Fortune 500 (Rank # 212 in 2015)
- 100,000 employees worldwide

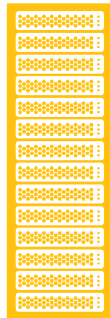
What is Hyve Solutions?

***WE DESIGN & DELIVER
CUSTOM PURPOSE
BUILT PRODUCTS.***



SERVICES

STORAGE



NETWORKING



***FOR THE WORLD'S
LARGEST DATA CENTER
CUSTOMERS***



Hyve Product Development



Designed for specific customers
specifications/workloads

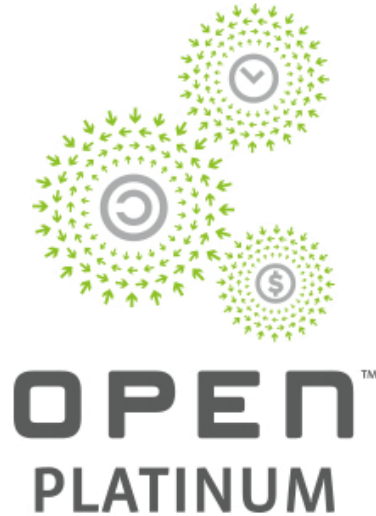


Designed by Hyve to deliver
leading technology which should
interest customers broadly



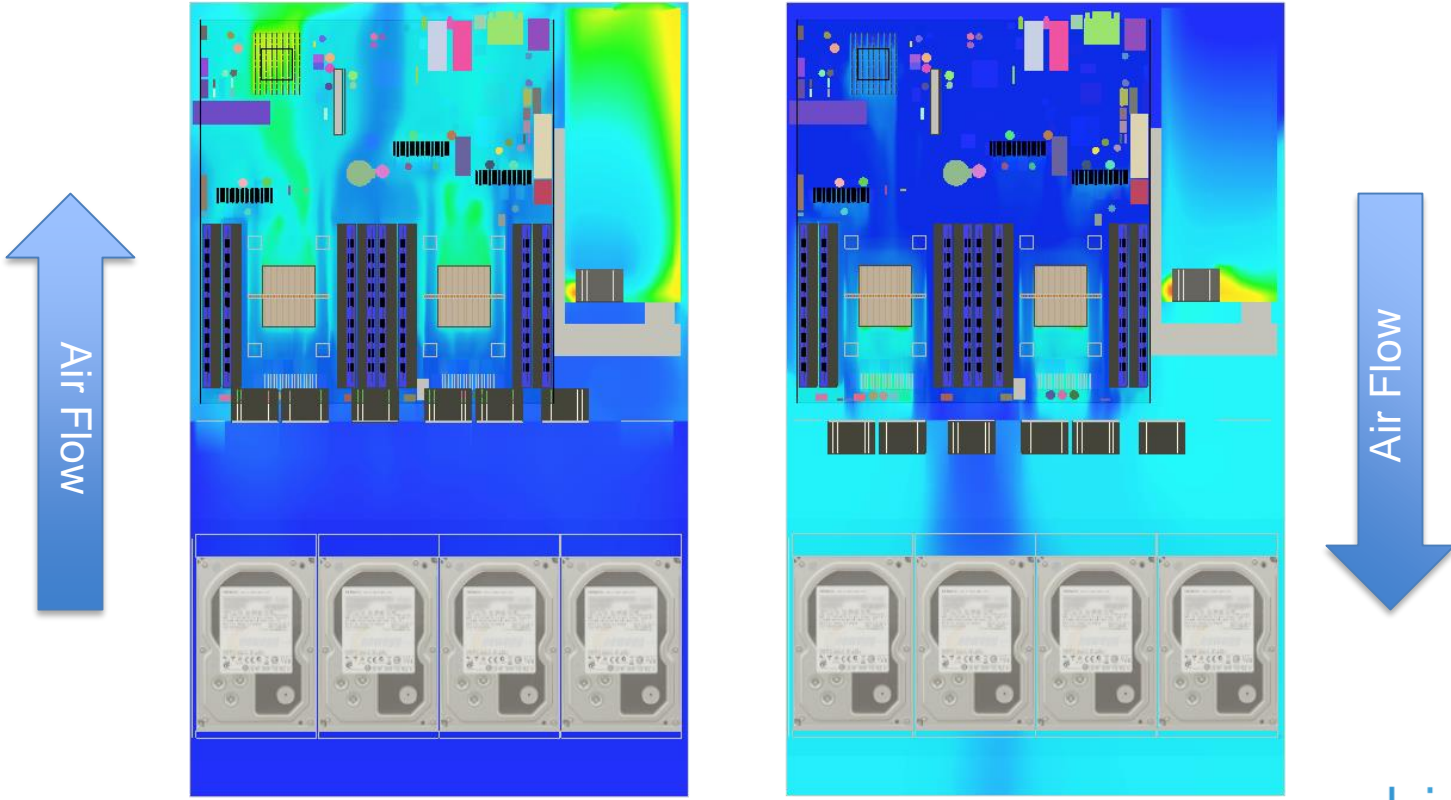
OCP provides leverage to share and
enhance Hyve-designed equipment

Open Compute Project



Hyve Solutions is a founding member of OCP and a Platinum OCP Solutions Provider. We began working with Facebook in 2009 towards the development of the Open Compute Project.

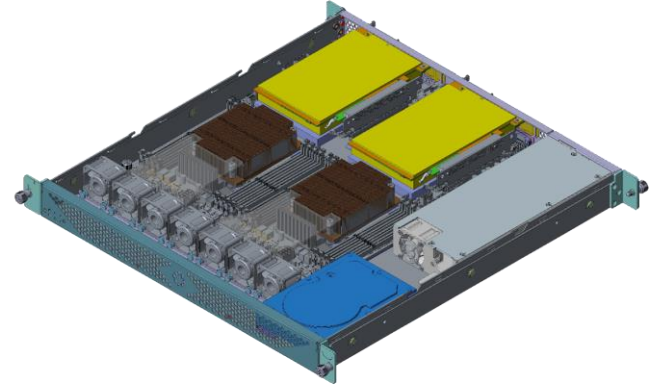
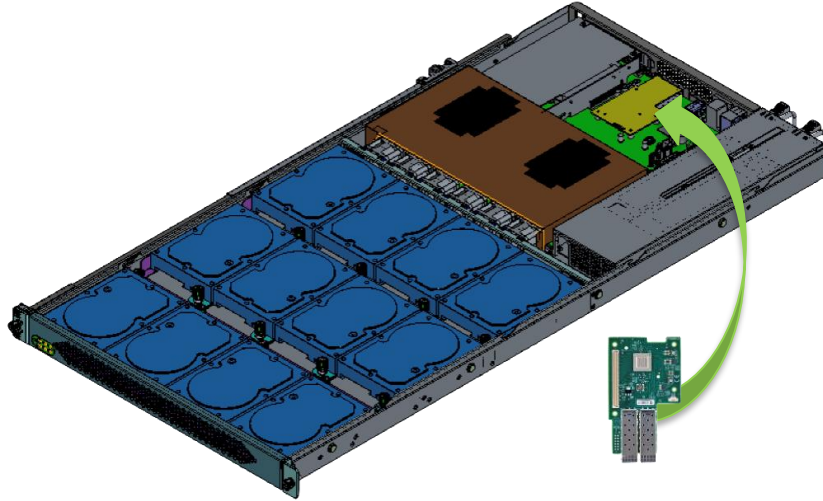
Ambient Series – Efficient Cooling



Rear I/O

Front I/O

Ambient Series – Modular Designs



- Hot Swap chassis
- Front / Rear IO universal chassis

- Short depth & Full depth chassis
- OCP Mezzanine support

Tool-less Drive Tray / Fan Design

Different HDD Mounting Trays fit into the same chassis.

The 3.5" HDD Sled Assembly can accept both 3.5" and 2.5" HDD drives.

500W/650W/800W PSU Options

Fully Integrated Racks



HyperScale Manufacturing & Deployment

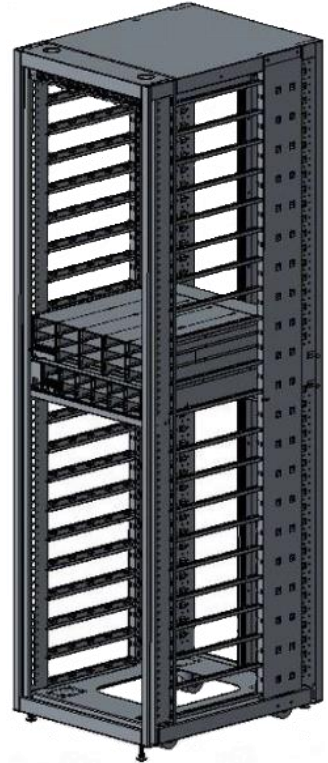


48V OCP Open Rack V2



48V OCP Open Rack v2

- Based upon the Open Rack Standard V2.0
- 48V OCPv2 rack
- Single bus bar – simplified electrical design
- Shallow depth (762mm) rack design
- N+1 single phase 48V power rectifiers – Provides DC power to system loads
- Stacked N+1 48V Lithium Ion batteries provide back up power to the rack during outages

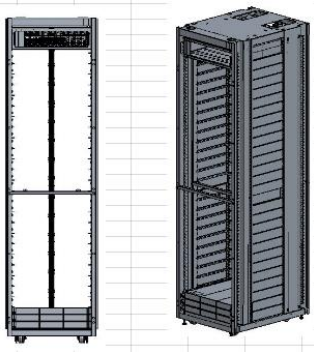
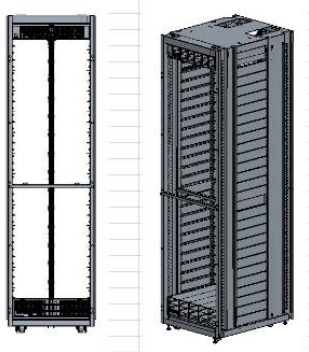
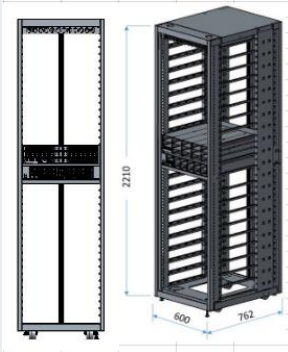


Advantages of 48V

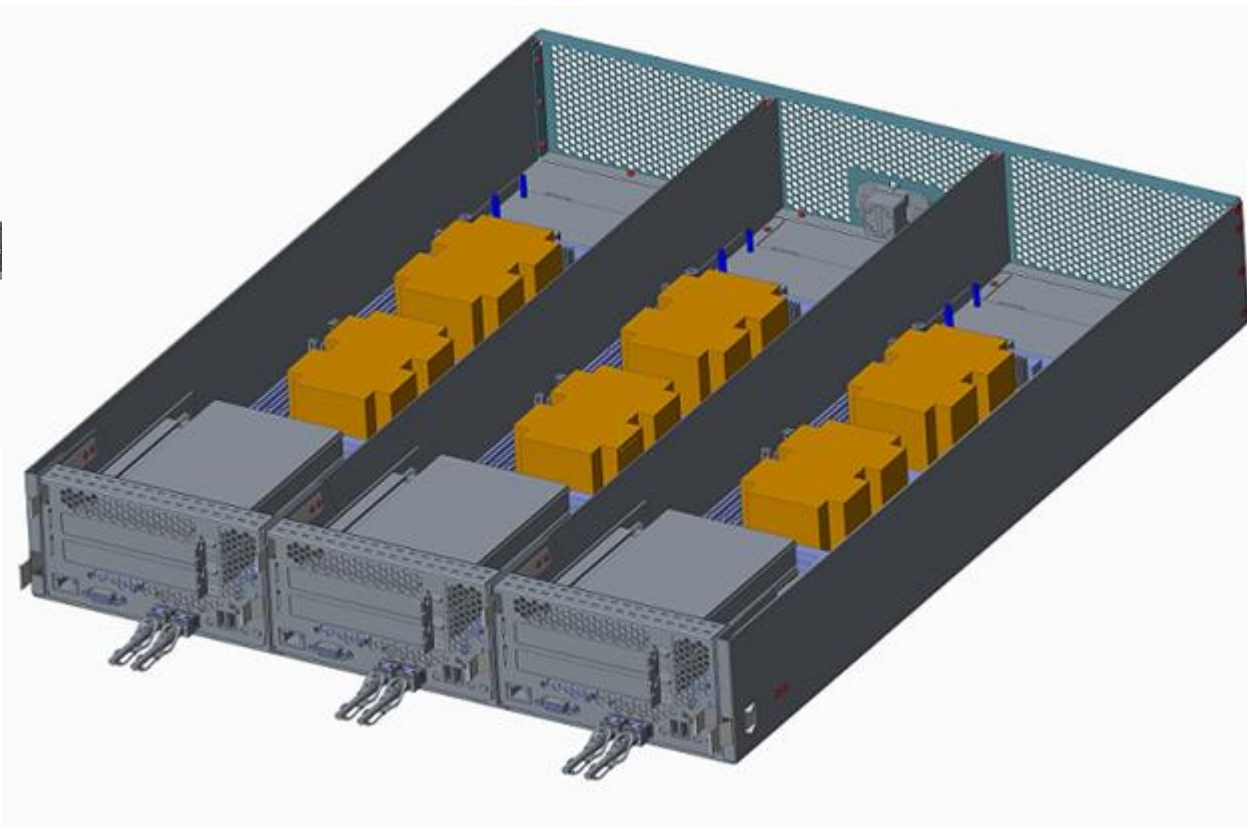
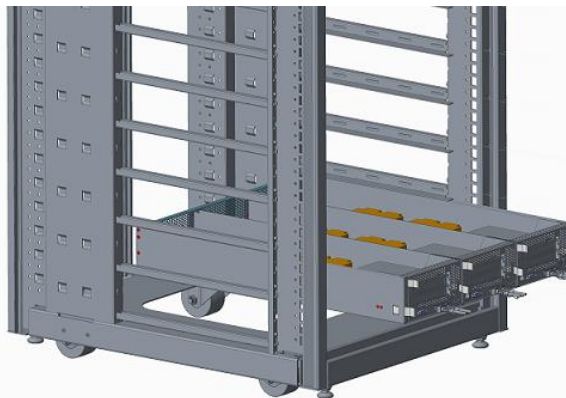
- Eliminates tight bus voltage requirements
- Smaller/Cheaper bus bar & connectors (lower current)
- More efficient rectifiers (fewer power step-downs)
- No additional power converter required for the batteries
- Easier to scale up to higher power (24-36KW)
- Support up to 60 nodes per rack (depending on configuration)



Interchangeable Components

	A	B	C
Rack	A	A	C
Power Shelf	B	C	C
BBS	B	C	C
Drawings			

Under Development





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