New Rack & Server Solutions Supporting OCP Initiatives

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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

SERVERS

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
Ambient Series – Modular Designs

- Hot Swap chassis
- Front / Rear IO universal chassis
- 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
- Short depth & Full depth chassis
- OCP Mezzanine support
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

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<td>Power Shelf</td>
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### Drawings

![Rack Diagram](image1)

![Power Shelf Diagram](image2)

![BBS Diagram](image3)