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# OCP

CHINA DAY

June 25th  
**2019**  
Beijing

## Open19 Technology

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# Open19 Technology

Double High Brick

Double Wide Brick

Brick

Power Shelf

Network Switch

Brick Cage



# Brick Cage



- Passive mechanical cage
- 12RU and 8RU options
- 2RU modularity
  - 4x Bricks
  - 2x Double High Half Width
  - 2x Double wide
  - 1x Double High
- Snap-on rear opening

# Brick Form Factors



- Four brick form factors
  - Brick ( $\frac{1}{2}$  wide 1RU)
  - Double High Half Width - (2RU)
  - Double Wide Brick (1RU)
  - Double High Brick (2RU)
- Linear power and data growth
- Self Sustained – EMI & Safety & cooling
- 100G Blind Mate network

# Cabling System

Open 19 Power Cables

400W per server – 8/12 servers per cable

Open 19 Data Cables

100G Per server – 8/12 servers per cable



# Open19 Power Shelf

1RU, 19.2Kw (6x3.2Kw)

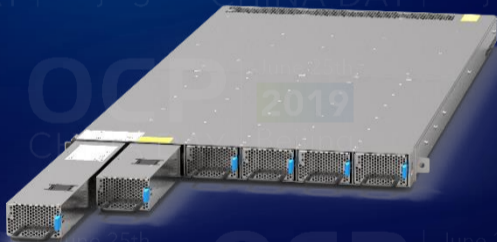
Management via GE port

Full AC and DC range

Per server protection and monitoring

Fully redundant A/B inputs

Multi-Source for the shelf and modules



# Open19 Technology Benefits



Any 19" Rack

Standard 19" rack

Any Location



Integration

5-6X faster rack level  
integration

Extremely simple  
cabling



Redundancy

A/B 2N power

No central controllers  
Per server monitoring



Efficiency

Zero server power  
supplies

96% power  
conservation



Cost

Rack level savings

Solution savings

# Open19 Live in Production @LinkedIn





# Olympus Project and Open19



# Future

- Different Cage Form Factors
- New “Server” models

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Open19  
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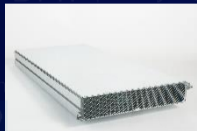
Brick



Double High Half  
Width Brick



Double Wide  
Brick



Double High  
Double Wide Brick

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Linked in

Thank you