



Vertiv™ 360AI

Solution Design Specifications

Model Number: 1L100RA

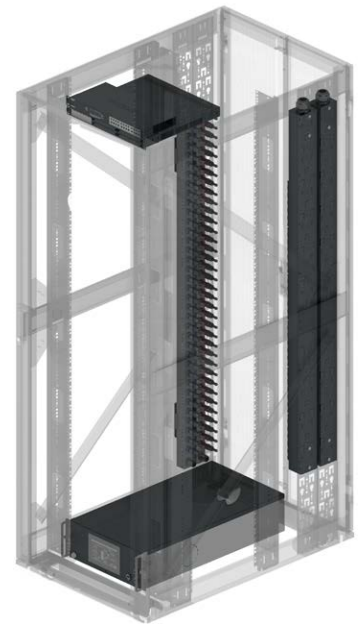
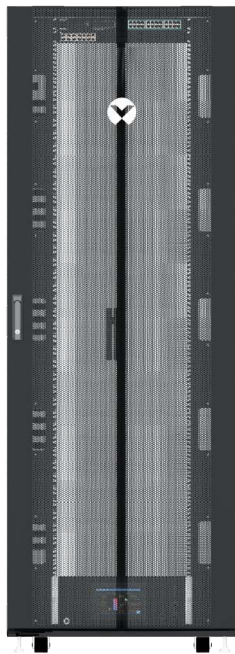


[Vertiv.com](https://www.vertiv.com)

Liquid to liquid direct-to-chip in-rack retrofit

Model Number: 1L100RA

For facilities considering a small footprint deployment yet implement full liquid-to-liquid solution. Solution does not require additional floor space for coolant distribution units, while leveraging existing air-cooling for remaining portion of the heat load.



Rack Interior View

What's included

- 1 Rack Enclosure
- 2 Rack PDU's
- 3 In-Rack CDU
- 4 Rack manifold
- 5 TH Sensors – 2 per rack
- 6 Remote Management
- 7 Deployment + Commissioning
- 8 Maintenance

System capacity

1 Rack(s)

100 kW Total solution capacity

100 kW Load per rack

Technologies used

Cooling Method Direct-to-chip (liquid)

Heat Rejection Type Water/Glycol

Key components

Rack Enclosure 48U, 800mm x 1200mm (SR-VE081222SA)

Rack PDUs – 2 per rack 80A Monitored rPDU (VP7UA002)

In-Rack CDU Vertiv™ Liebert® XDU100

Dimensions (L, D, H): 800mm x 1200mm x 2200mm

1L100RA

Contact Vertiv for Availability

Front Quarter View

The images shown are for representation and may not be an exact representation of the product.



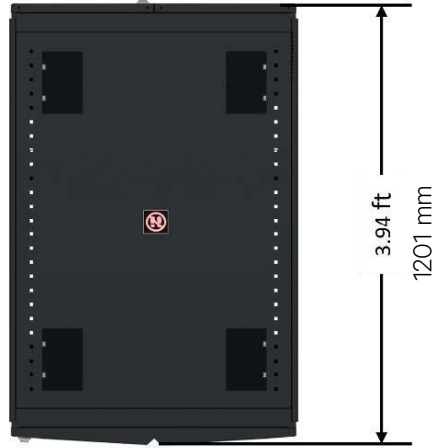
Back Quarter View

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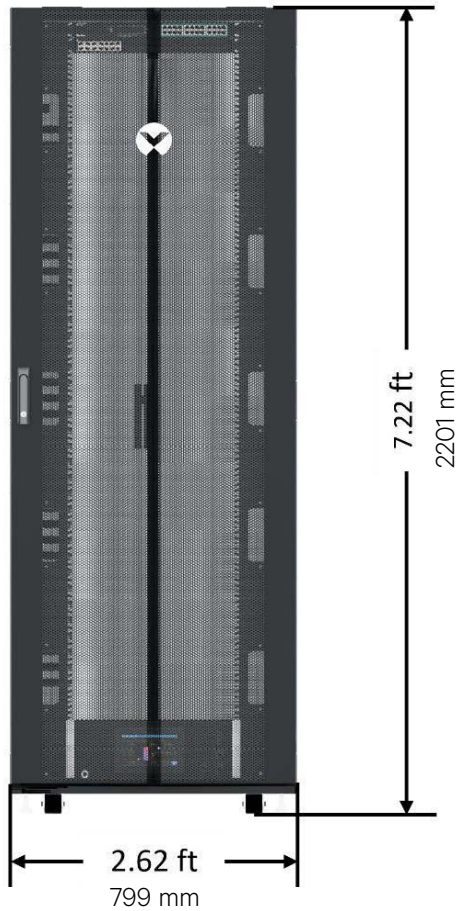
Top View

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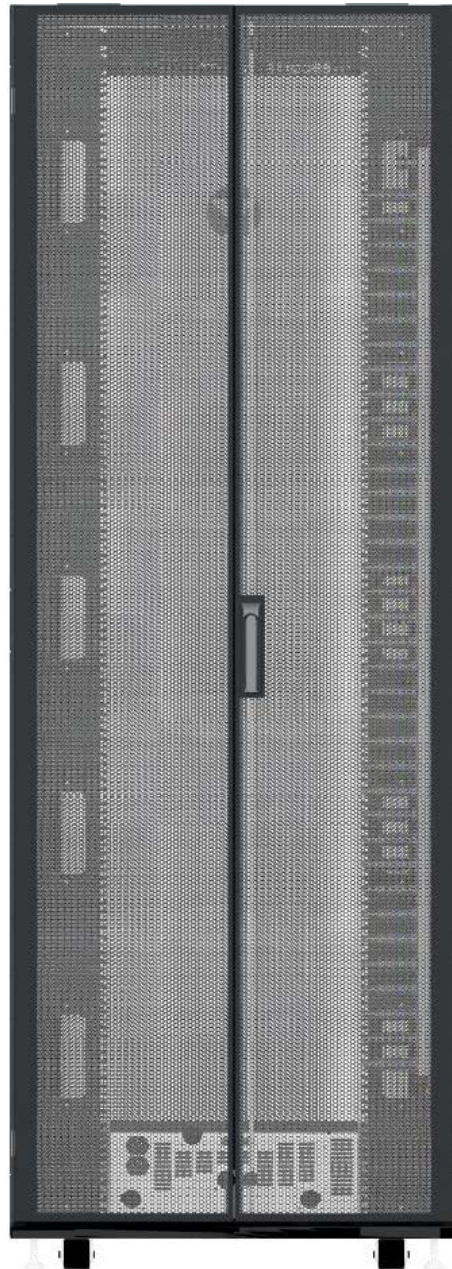
Front View

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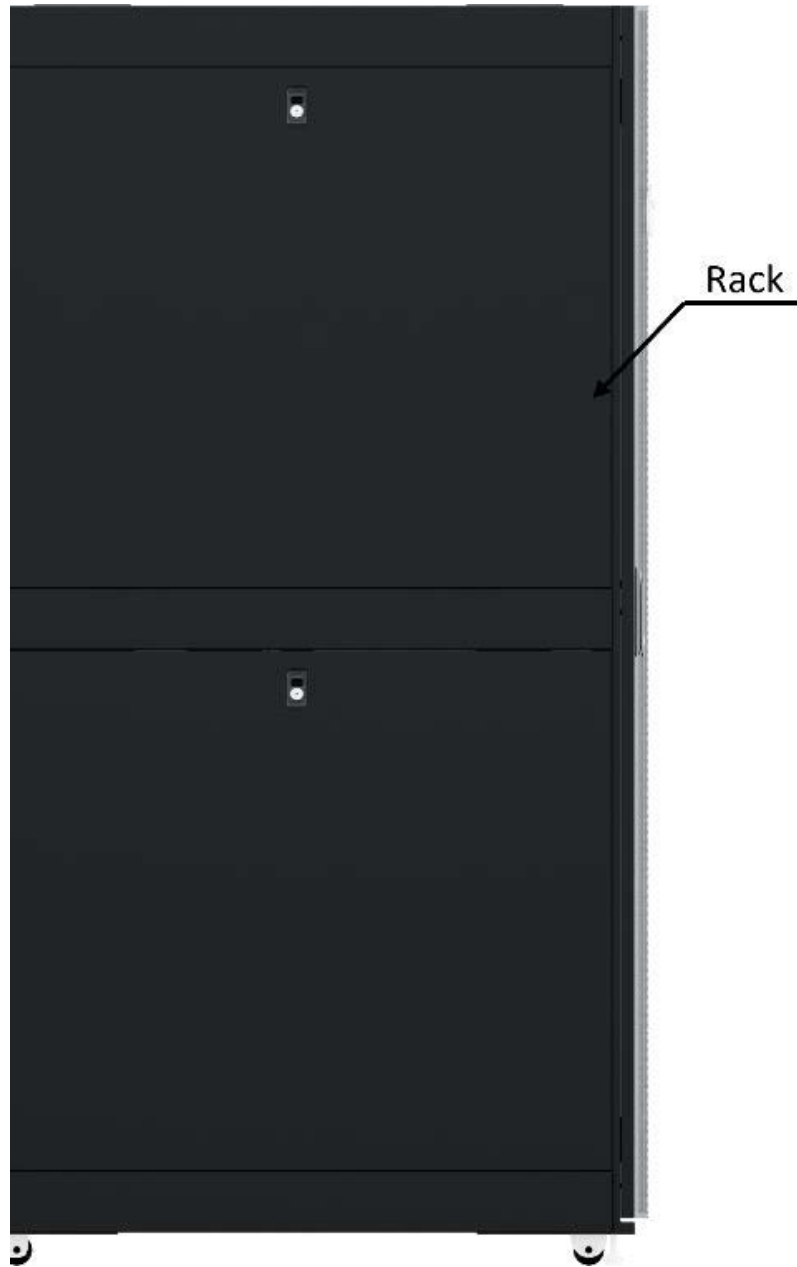
Rear View

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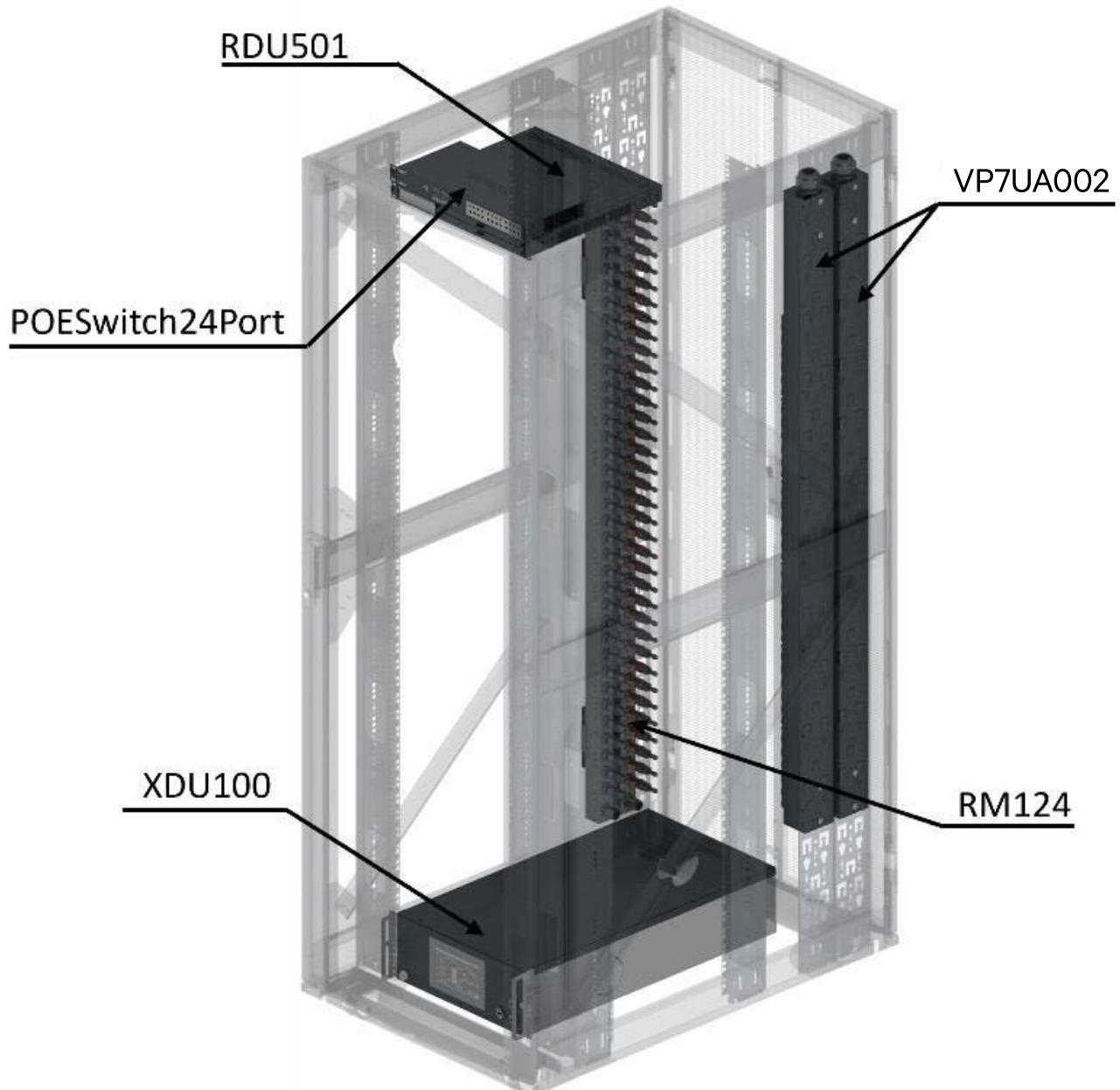
Side View

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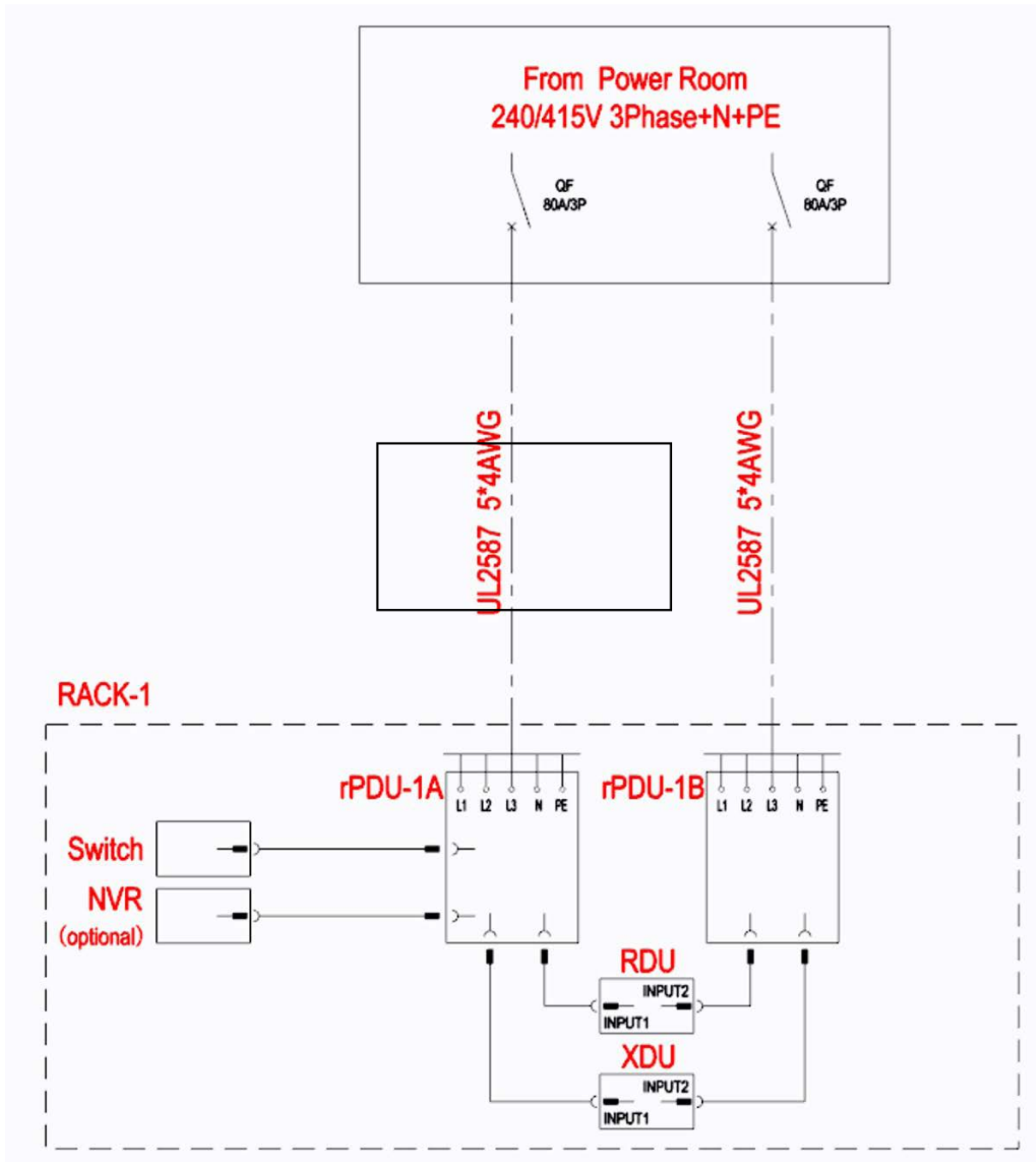


Rack ISO View

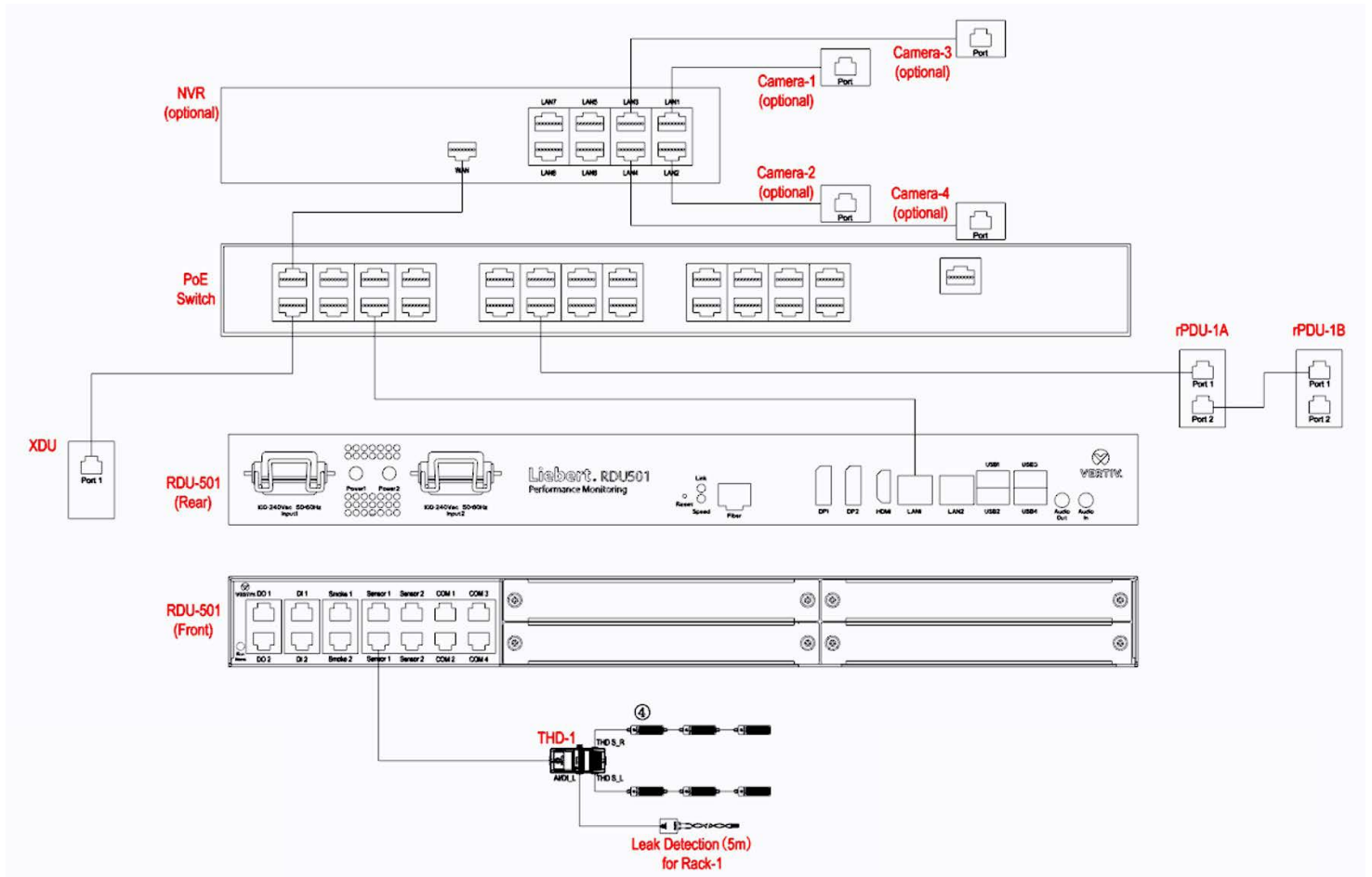
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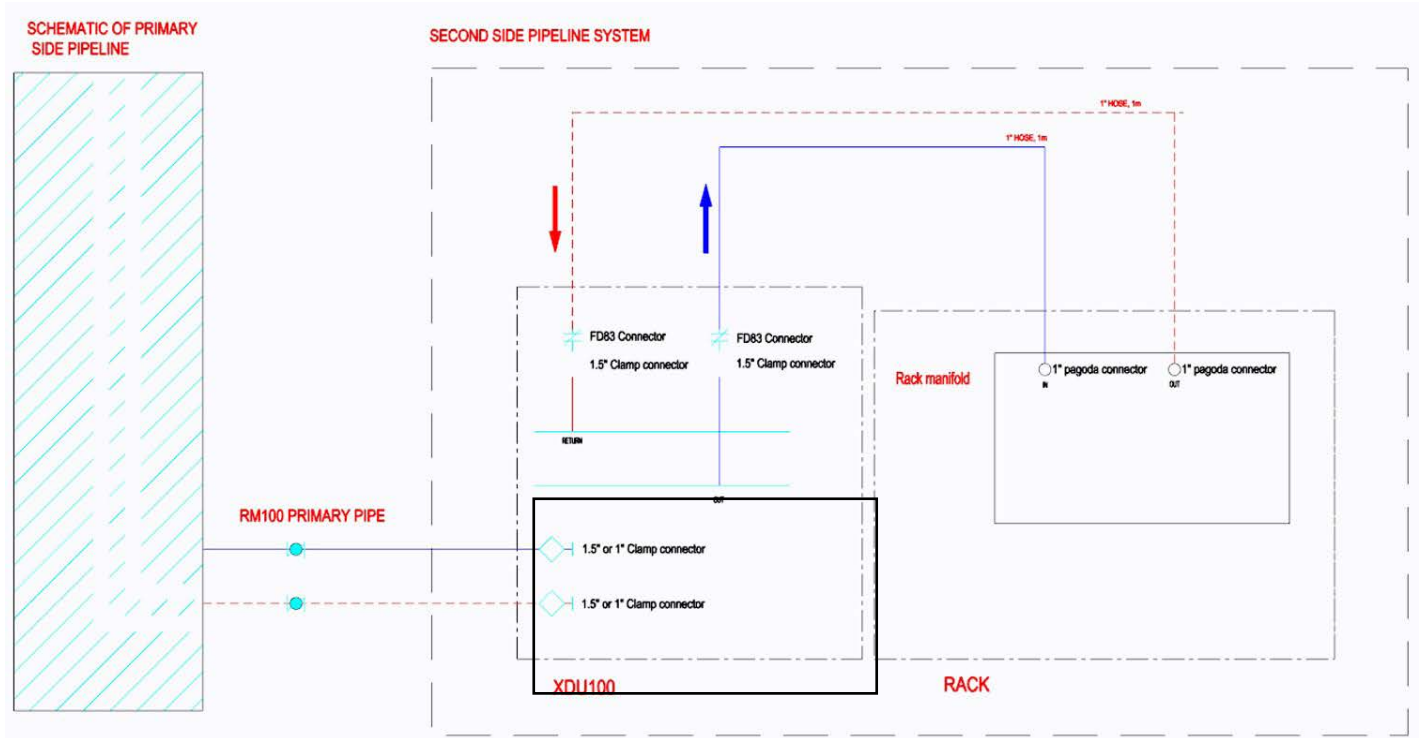
Simplified Electric Diagram - Power



Monitoring Diagram



Simplified Piping Diagram



Product Details

Vertiv™ Geist™ VP7UA002 rPDU



Upgradable Switched Outlet Level Monitored rPDUs provide reliable power distribution to critical IT equipment while delivering individual outlet level control and a comprehensive view of outlet level power usage via remote network access. Includes environmental monitoring capabilities to obtain real-time environmental metrics.

Key Benefits:

- Remotely reboot outlets to power cycle unresponsive IT equipment or increase runtime of critical equipment upon power failure with outlet-level control.
- Reliable power distribution with local and remote outlet-level power monitoring options offers quick access to critical power usage information down to the device level to evaluate energy usage trends and maximize uptime.
- Environmental monitoring capabilities with the addition of optional environmental sensors ensure users have critical infrastructure data at their fingertips to prevent climate-related equipment failure and system downtime.
- Fault-Tolerant Daisy Chaining with RSTP simplifies intelligent rPDU connectivity and ensures data is reported even when a break in the network chain occurs. Supports up to 40 rPDUs.
- Daisy-chain up to 50 devices on a single IP address and reduce deployment time with self-configuration of downstream devices.

