

IPU-POD₁₂₈ DATACENTRE PREPARATION FOR INSTALLATION

The following checklist should be completed prior to any equipment being shipped to the datacentre to ensure successful installation of Graphcore equipment. The IPU-POD₁₂₈ is built from two IPU-POD₆₄ racks. The checklist below is per IPU-POD₆₄ rack and therefore needs to apply to both IPU-POD₆₄ racks in the system.

Checklist item	Response
Thermal	
<ul style="list-style-type: none"> Rack airflow requirements: 1723 CFM or higher 	Acceptable
<ul style="list-style-type: none"> Required provisioned cooling: minimum 19kW or higher 	Acceptable
<ul style="list-style-type: none"> Rack airflow is front of rack (single door, cold isle side) to rear of rack (split door, hot isle side) 	
Size of rack supports at least 42U for each of the two IPU-POD ₆₄ racks: 600mm (W) X 1200mm (D) x 1991mm (H)	Acceptable
Power provided per rack is	
<ul style="list-style-type: none"> Redundant 22kW PDUs (APC metered rack PDU AP8886) 	Supported
<ul style="list-style-type: none"> PDU input voltage: 380/400V_{AC} 3 Phase 50/60Hz 	Acceptable
<ul style="list-style-type: none"> PDU input: IEC 60309 32 A 3-Phase + N + E 	Supported
<ul style="list-style-type: none"> PDU whip (cord) length: 1.8 meters (exit top of IPU-POD₆₄ rack) 	Supported
Datacentre network connections per rack and type	
<ul style="list-style-type: none"> Two 10GbBaseT RJ45 network interfaces per server 	Supported
<ul style="list-style-type: none"> Minimum of 2x 100Gbps uplinks per ToR (8x recommended) 	Acceptable
Datacenter management network connections	
<ul style="list-style-type: none"> Two SFP+ uplinks from 1GbE management switch (Arista DCS-7010T-48-F 1GbE management switch) 	Supported
<ul style="list-style-type: none"> Single or redundant 1G/10G uplinks 	Acceptable