

Product Brief

Intel's Open IP Immersion Cooling – Single Phase – AAIC Edge Solutions

2U@3kW Air Assisted Immersion Cooling (AAIC)



4U@7kW Air Assisted Immersion Cooling (AAIC)





Intel's Open IP Immersion Cooling scales from data center to cloud edge. This product brief introduces the AI edge solution following the previous hyperscale and IDC data center grade 4th Gen Intel® Xeon® Processor Scalable Family, Codename Sapphire Rapids solution.

Intel has also introduced Open IP Immersion Cooling system design for AAIC edge solutions. This 4U/2U AAIC with 7/3 kW cooling capacity shares the same uniform flow field design and modular scalable features.

This specification is also compatible with Intel's Open IP Immersion Cooling.

Intel's Open IP Immersion Cooling AAIC System Specifications		
Form Factor	1U up to 2U	1U up to 4U
Dimension	878 mm (L) x 430 mm (W) x 1221 mm (H)	878 mm (L) x 585 mm (W) x 1221 mm (H)
Weight (without Coolant)	185 kg	210 kg
Floor Loading Capacity	1000 kg/m ²	
Cooling Capacity	3 kW (ambient temperature 35 °C and coolant inlet temperature 45 °C)	7 kW (ambient temperature 35 °C and coolant inlet temperature 45 °C)
Operating Ambient Temperature	From 10 to 40 °C	
Monitoring System	V	V
Power Specification	1P2W+G 220VAC/15A (three-core wire)	1P2W+G 220VAC/15A (three-core wire)
Main Power Consumption	1.7 kW	1.9 kW

The products described may contain design defects or errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request.

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