

ON-CHIP LIQUID COOLING FOR AI & HYPERSCALE DATA CENTERS

OPTIMIZED FOR NEXT-GEN INTEL XEON PLATFORMS (EAGLE STREAM)

Designed for Intel Eagle Stream platforms, this on-chip liquid cooling solution supports 4th and 5th Gen Intel Xeon scalable processors, delivering efficient thermal management for high-performance computing and AI workloads.

Product Specifications	
Overall Size	117.5mm*77.5mm*26mm
Inlet/Outlet Ports	Ø10mm OD hose barb
Mass	1.5kg
Construction Method	vacuum brazed
Attachment Method	Intel version 2 EGS fasteners

Recommendations	
Fluid Type	"Deionized water or 50/50 Coolant"
Operating Temp. Range	-40 to 100°C
Flow Rate	0-3.5 LPM

Test Parameters	
CPU Power	385 W
Ambient Temperature	25°C
Inlet Water Temperature	45°C
Max. Operating Pressure	0.6 MPa
Flow Rate	1.6 LPM

Results	
T _{case}	55.4°C
Thermal Resistance	0.0267°C/W
Water Temp. Change	+3.5°C

Key Benefits	
Supports high-power CPUs up to 385W TDP	
Enables higher rack density for AI and HPC workloads	
Maintains low thermal resistance (0.0267°C/W) for sustained performance	

