

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	
Part Number	133032
Body Material	Aluminum
Finish	Nickel Plating
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	50/50 Coolant
Operating Temperature Range	-40 to 100°C
Flow Rate	0-3.5 LPM

Test Parameters	
CPU Power	700 W
Ambient Temperature	25°C
Inlet Water Temperature	45°C
Max. Operating Pressure	0.6 MPa
Flow Rate	1.6 LPM

Results	
Tcase	55.4°C
Thermal Resistance	0.0267°C/W
Water Temperature Change	+3.5°C

Key Benefits	
Supports high-power CPUs up to 700W TDP	
Enables higher rack density for AI and HPC workloads	
Maintains low thermal resistance (0.0267°C/W) for sustained performance	

