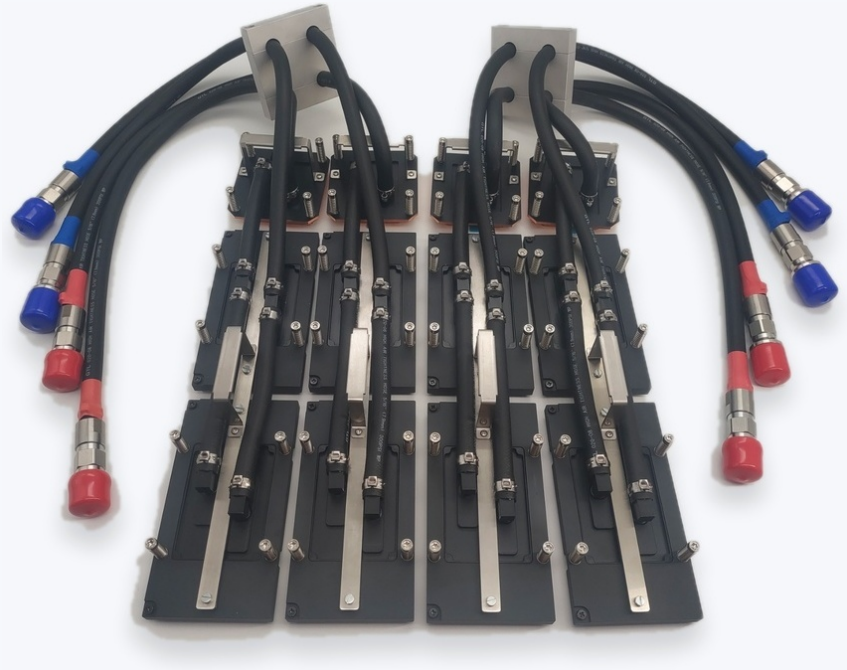
ToneCooling
Liquid Cooling Solutions

H100 GPU + NVSwitch Liquid Cooling Assembly

Validated direct-to-chip liquid cooling solution for high-density AI server platforms



ToneCooling Independently Developed H100 Liquid Cooling Assembly

6.344 kW	9 LPM	40 kPa	1 MPa
Total Heat Load	System Flow Rate	Pressure Drop	Operating Pressure

TECHNICAL SPECIFICATIONS

Product Model	T-HS202323
Application	NVIDIA GPU + NVSwitch
Supported Devices	H100 GPU x 8 + NVSwitch x 4
Cold Plate Material	Copper
Total Design Heat Load	700 W x 8 + 186 W x 4 = 6.344 kW
Cooling Medium	Pure Water
Inlet Coolant Temperature	45 deg C
Maximum Component Temperature	< 80 deg C
Rated System Flow Rate	9 LPM
Maximum Pressure Drop	40 kPa @ 9 LPM
Maximum Operating Pressure	1 MPa
Overall Dimensions (L x W x H)	472.7 x 331 x 130.6 mm

PRODUCT OVERVIEW

Complete liquid cooling assembly for 8 x NVIDIA H100 GPUs and 4 x NVSwitch devices.
Designed for pure-water cooling with a validated total heat load of 6.344 kW.
Integrated cold plates, hoses and quick-disconnect interfaces simplify system deployment.

SYSTEM CONFIGURATION

- 8 copper GPU cold plates
- 4 copper NVSwitch cold plates
- Integrated flexible hose assemblies
- Color-coded quick-disconnect couplings
- Mounting hardware and interface parts

VALIDATED DESIGN CAPABILITIES

- Thermal load validation up to 6.344 kW
- Hydraulic validation at 9 LPM / 40 kPa
- Pure-water compatible flow path
- Maximum operating pressure: 1 MPa
- Custom interface adaptation available