LIQUID COOLING BLOCK
THERMAL SOLUTION FOR JETSON™ AGX XAVIER

PART NUMBER: XHG307, XHG307-01

The world’s first industrial grade liquid cooling thermal solution for the NVIDIA® Jetson™ platform.

Liquid Cooling is ideal for applications where sufficient airflow is unavailable, and for any high-powered compute system that requires noise reduction or additional cooling. This Liquid Cooling Block provides thermal relief to the Jetson AGX Xavier module’s GPU, CPU, and memory components. With a total of 8 low profile side ports, users can select which ports to configure as inlet or outlet streams for versatile connectivity options.

LIQUID BLOCK SPECIFICATIONS

- **Compatibility**: NVIDIA® Jetson AGX Xavier™ Production Module
- **Dimensions**: 100mm x 87mm x 18mm (3.94” x 3.43” x 0.71”) (20.2mm/0.8” to top screws)
- **Input/Output Ports**: 8x customizable side ports for low profile usage
  - 2x ports per side, G1/8" threaded
- **Included Fittings**: 2x G1/8” 6mm barb, 6x G1/8” plug
- **Weight**: 231g (8.15oz)
- **Mounting Fasteners**: M3.0X0.5, PPHMS, 45mm (1.77”) in length
- **Fastener Torque Rating**: 5.2 in-lb
- **Available Integrations**: The Liquid Cooling Block can be integrated with the Rogue or Rogue-X Carrier Board, and comes complete with a flashed NVIDIA Jetson AGX Xavier module, and user-preferred add-ons of additional storage, WiFi, and Bluetooth options.

DEVELOPMENT KIT

The Liquid Cooling Development Kit comes supplied with all of the materials needed for testing and verifying liquid cooling in a lab environment.

- **Included Components**:
  - Liquid Cooling Block
  - Reservoir & Pump (160 SPC PWM)
  - Fan (500-2200rpm)
  - Radiator (120 single)
  - Rubber Tubing (2m)
  - Coolant Concentrate (100mL)
  - Clamps, assembly tools, and cables

Note: The Development Kit accessories are commercial grade and not suggested for production environments.

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