

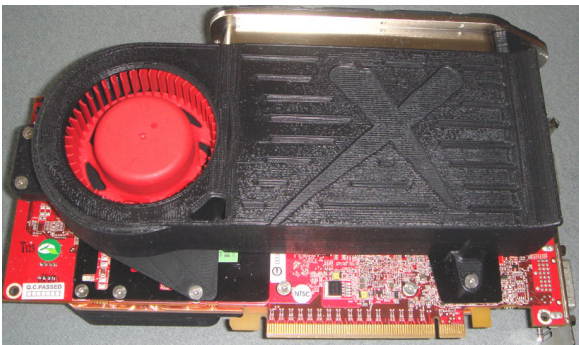


## **Reference Design Brief**

***WayCool™ U350GX  
Hybrid (Air + Liquid) Mesh  
High Performance Graphics Cooler***

## Overview

The WayCool™ U350GX Reference Design is a standalone, 350 Watt graphics processor and graphics card cooling solution to cool the extreme heat generated from high performance graphic cards from all leading graphics manufacturers, including nVidia and AMD/ATI. The WayCool™ U350GX Reference Design is a Hybrid Mesh (air + liquid) Graphics cooler integrated in a self-contained design that meets both Invidia and AMD/ATI requirements for an in-system, graphics processor coolers.



Based on WayCool™ Thermal Management Architecture, the WayCool U350GX Reference Design quietly and effectively addresses heat generated by high-profile graphic chips such as nVidia 8800 and ATI. The architecture for the U350GX includes the WayCool carbon technology and WayCool hybrid mesh heat transport solution. The reference

design offers complete, advanced patented cooling platform comprised of:

- WayCool™ Carbon Technology for greater heat transfer capacity
- WayCool™ Quiet Fans for a quiet cooling
- WayCool™ Hybrid Mesh for advanced liquid cooling isothermicity.

With 350 Watts of cooling capacity, the WayCool U350GX Reference Design can cool entire graphics subsystems. It offers OEM, ODM and system designers a flexible and quiet heat removal platform. The WayCool U350GX cooler is the only thermal management solution currently available for graphics cards that can be independently plumbed to alternative heat sources [i.e., the northbridge or memory] while still providing a cooling solution to the “hottest” cards currently on the market.

The WayCool U350GX Reference Design is pre-defined, tested and optimized to address intense heat and improve performance for specific engineering combinations. The design includes bill of materials, engineering drawings, application notes, test results and samples.

Waytronx Reference Designs are available through licensing agreements.

## **WayCool™ U350GX Reference Design Features**

- Up to 350 Watts of thermal management capacity
- Replaces heat sinks, active air fans and coolers and liquid CPU coolers
- nVidia compatibility: All 88xx graphics processors
- AMD/ATI Compatibility: All graphics processors

## **Key Components**

- WayCool™ Carbon water block heat conductive interface to graphics processor
- WayCool™ Hybrid mesh liquid carrier
- WayCoolant™ de-mineralized liquid with appropriate anti-fungal additives
- WayCool™ Quiet Fan

## **Benefits for Cooler and Computer OEMs/ODMs**

The WayCool U350GX Reference Design gives system designers and users the maximum performance, convenience, and flexibility in a cooling solution that fits today's desktop computer environments.

- Industry-leading 350 Watt cooling capacity with an in-system solution
- Improved graphics processor performance
- Ability to operate at lower temperatures for improved reliability
- Maximized overclocking performance
- Faster time to market
- Customizable design

## **Reference Design Elements Available to Licensees**

- Bill of Materials
- Sources of supply for each ingredient
- Written Specification for each ingredient
- Cooler Engineering drawing
- Application Notes
- Test Results
- Samples



**To find out more about WayCool technology and its integrated hybrid mesh architecture, contact our development team at (866) WAYTRNX or send us an email at [techsupport@waytronx.com](mailto:techsupport@waytronx.com).**

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