



Reference Design Brief

***WayCool™ U300DT
Hybrid (Air + Liquid)
CPU Cooler***

Overview

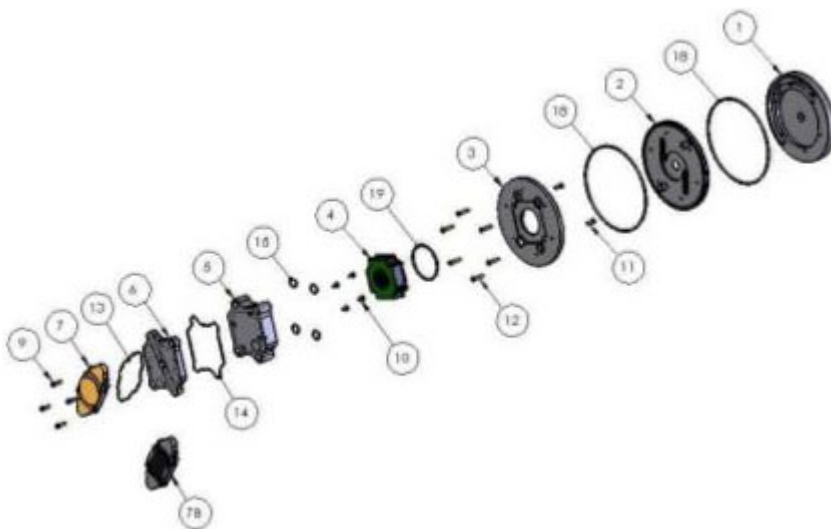
The WayCool™ U300DT Hybrid (Air+Liquid) CPU Cooler Reference Design is a universal, 300 Watt desktop CPU cooler, supporting industry leading dual core and quad core CPUs. The WayCool™ U300DT Reference Design is a Hybrid Mesh (air + liquid) CPU cooler integrated in a self-contained design that meets both Intel and AMD requirements for an in-system, desktop processor cooler:

- Up to 300 Watts of thermal management capacity
- Replaces heat sinks, active air fans and coolers, and liquid CPU coolers
- Intel compatibility: All LGA775 processors
- AMD Compatibility: Athlon 64 / FX / X2 / Opteron Socket AM2 processors



Key Components

- Copper heat conductive interface to CPU
- Maintenance-free pump assembly with magnetic drive brushless DC motor
- WayCoolant™ de-mineralized liquid with appropriate anti-fungal additives
- WayCool™ Quiet Fan and Heatsink assembly



WayCool Carbon Block and Pump assembly

Benefits for Cooler and Computer OEMs/ODMs

The WayCool™ U300DT 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 300 Watt cooling capacity with an in-system solution
- Improved 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) WAYTNX or send us an email at techsupport@waytronx.com.

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