



Aqua Computer Airplex Modularity System 840mm, Aluminum Fins, Compact 600/12V, Stainless Steel Panels

\$356.99

Product Images



Short Description

The airplex modularity system is a fully modular radiator system for water cooling systems and shows competence and know-how of the 10 years of company history at Aqua Computer. The system is based on a fin package with 21 tubes and pressed-on stainless steel flanges. On both sides of the fin package Delrin terminals are integrated. These terminals create a safe seal with the stainless steel flanges with a gasket ring and are screwed together.

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The system is based on a fin package with 21 tubes and pressed-on stainless steel flanges. On both sides of the fin package Delrin terminals are integrated. These terminals create a safe seal with the stainless steel flanges with a gasket ring and are screwed together. The Delrin terminals have integrated connection terminals which are lowered from the surface and have a round spacing above the thread. This spacing allows a connection adaptor to be pushed in to connect two radiator modules directly without any tubing pieces. The orientation of the radiator to each other determines the flow direction of the coolant: When connected side by side the connected radiators are connected serially, horizontally stacked radiators create a parallel flow set-up. Additionally the system can also grow in length indefinitely. For this the fin packages are connected via optional Delrin connection modules.

Radiators in all lengths use the same Delrin Terminals, only the side panels and fin packages are different, hence by buying the components, a radiator can be rebuilt and modified. All sizes have a width of 146mm and hence fit perfectly into 5.25". The height of the radiator in standard configuration (without the pump module) is 63.5mm and the length is 44mm longer than the according fan (e.g. 3x120mm fans -> Length is 360+44mm = 404mm).

The connection threads are G1/4" in size and all 1/4" fittings from our shop can be used with the system.

With the airplex modularity system. It is now possible for the first time to operate two separate loops in one radiator with the airplex modularity system. On radiators operated this way the cooling surface is split approximately at a 70:30 ratio between the primary respective secondary loop. This allows extremely compact two-loop cooling systems, to allow e.g. separate cooling of the heat-sensitive HDDs from the CPU and graphics card. The two cooling loops are completely separated from each other, mixing of the coolant is completely impossible.

By equipping the system with an optional pump module an extremely compact and easy to handle water cooling system can be realized. The offered radiators with pump module have the reservoir and pump already integrated directly into the Delrin terminal of the radiator. Depending on the type it even features an USB fan controller with water temperature measuring and optionally flow meter and/ or water filter.

An especially interesting feature is the Compact 600 pump module in the 12V version: It is equipped with the proven ceramic bearing from Aqua computer and allows whisper-quiet operation as well as many monitoring and control options via the integrated pump controller with USB interface. Mounting of a flow sensor and filter is easily possible and can be done quickly and hassle-free.

Features

The most important features of the airplex modularity summarized:

- Fully modular system
- Extremely high cooling performance
- Very compact - shorter than most other radiators for the same fan size and only 146mm wide
- Indefinitely expandable in all dimensions
- No solder residue due to solder-free manufacturing
- Completely demountable for thorough cleaning
- System with multiple loops possible in one radiator
- Optimal flow / parallel tubing
- No lacquer coating for perfect thermal transfer
- Pump modules with reservoir available
- Many colours for side panel available (Brushed stainless steel, black aluminium, blue, red)
- Fins optimized for low fan speeds and excellent passive cooling performance
- No ignoble materials in contact with the coolant, only copper and stainless steel
- CNC-manufactured components made from Delrin and stainless steel
- Highest precision on the individual components ensures easy mounting
- Riveted-in threads for fan mounting
- Large range of accessories available (Reservoirs, pump modules, feet, filter, sensors, ...)
- Tested for pressures of up to 5 bar

Specifications

Details of the compact controller for pumping 600/12V - variant:

- Automatic frequency adjustment
- Aquabus interface
- Manual frequency adjustment
- Ventilation mode
- Rotation Detection
- Configurable speed signal output
- Manually configurable fan output
- External temperature sensor
- Internal water temperature sensor
- User-configurable calibration curve
- Temperature controlled fan output
- Input for flow sensor

Extent of delivery:

One radiator, assembled and ready to use

Additional Information

Brand	Aquacomputer
SKU	AQ-33034-D
Weight	11.0000
Color	Silver
Radiator Size	840 (6 x 140mm)
Radiator Thickness	63mm

