

# SIOLC



## Mainstream Liquid CPU Cooler



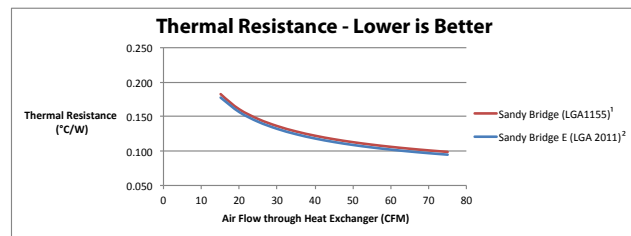
Original performance liquid cooling, aggressively priced to compete with mid-range air coolers.

### Product Features

- Integrated Pump and Alum. Cold Plate
- Standard 120mm Aluminum Heat Exchanger
- Designed for Single Fan Operation

- Factory Filled and Sealed, No Refilling Needed
- High Flexibility, Low Permeability Tubing
- Thumbscrew Pump Mounting System

### Performance



### Specifications

<b>Heat Exchanger Size:</b>	120x120mm, single thick	
<b>Pump Electrical:</b>	Rated Voltage	12VDC
	Power	2.5W <sup>3</sup>
<b>Cooling Liquid:</b>	Safe, Environmentally Friendly, Non-flammable with anti-freeze, anti-corrosive and anti-bacterial properties	
<b>Product Life:</b>	50,000 Hours (MTTF)	
<b>Mechanical Requirements:</b>	Processor Compatibility	Intel: LGA 2011, LGA 1155/1156, LGA 1366 AMD: AM2, AM2+, AM3, AM3+, FM1
	HEX Mounting	One 120x120mm Fan Port
<b>Environmental Requirements</b>	Operating Temp.	5°C to 35°C
	Storage Temp.	-20°C <sup>4</sup> to 70°C
	Humidity	5% to 95% RH non-condensing

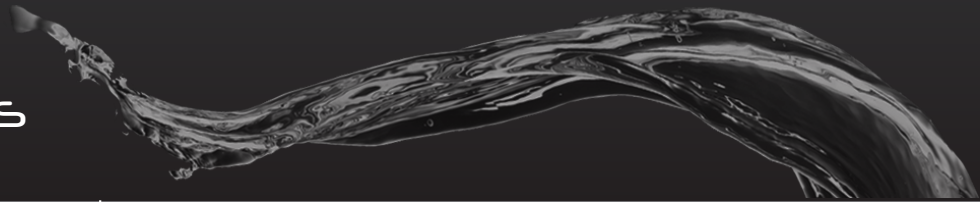
<sup>1</sup>Tested on Intel Sandy Bridge TTV—airflow measured with HEX impedance. Individual results may vary.  
<sup>2</sup>Tested on Intel Sandy Bridge E TTV—airflow measured with HEX impedance. Individual results may vary.  
<sup>3</sup>Pump power draw will increase when automatic or interactive fan control options are added.  
<sup>4</sup>Option available to extend storage temperature to -40°C is available.


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120mm Fan Products	Model	Description
	510LC 35-101-1012188	Mainstream Liquid CPU Cooler AL Cold Plate with Integrated Pump 120x120x27 mm Heat Exchanger 50,000 hr product life
	550LC 35-101-1012162	Performance Liquid CPU Cooler CU Cold Plate with Integrated Pump 120x120x27 mm Heat Exchanger 50,000 hr product life
	570LC 35-101-1012164	Premium Liquid CPU Cooler CU Cold Plate with Integrated 'Low Profile' Pump 120x120x49 mm 'Fatboy' Heat Exchanger 50,000 hr product life
	570LX 35-101-1012209	Extreme Liquid CPU Cooler CU Cold Plate with Integrated Pump 240x120x38 mm 'Longboy' Heat Exchanger 50,000 hr product life
92mm Fan Products	Model	Description
	545LC 35-101-1009115	mATX Performance Liquid CPU Cooler CU Cold Plate with Integrated Pump 92x92x30 mm Heat Exchanger 50,000 hr product life

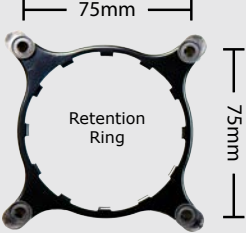




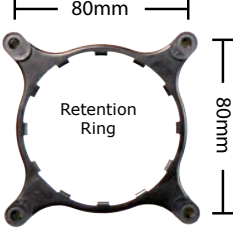


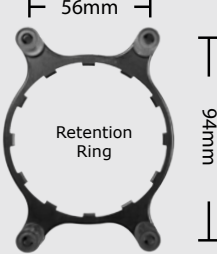


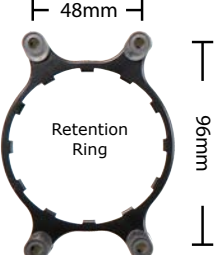




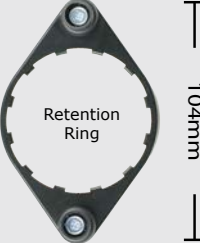

Retention kits are sold separately. See Retention Kits page.

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Socket	Contents				
<b>Intel LGA 1156</b> 35-150-2000036	 <p>Retention Ring</p>	 <p>Retention Clip*</p>	 <p>Backplate</p>	 <p>M3 Screws</p>	 <p>Backplate Adhesive Foam</p>
<b>Intel LGA 2011</b> 35-150-2000017	 <p>Retention Ring</p>	 <p>Retention Clip*</p>	 <p>M4 Screws</p>	Socket design does not use separate backplate.	
<b>Intel LGA 2011 (Narrow)</b> 35-150-2000034	 <p>Retention Ring</p>	 <p>Retention Clip*</p>	 <p>M4 Screws</p>	Socket design does not use separate backplate.	
<b>AMD AM3/AM2</b> 35-150-2000037	 <p>Retention Ring</p>	 <p>Retention Clip*</p>	 <p>Backplate</p>	 <p>M3 Screws</p>	 <p>Backplate Adhesive Foam</p>
<b>AMD G34</b> 35-150-2000038	 <p>Retention Ring</p>	 <p>Retention Clip*</p>	Socket design does not use separate backplate.		

\*Retention clip not compatible with 510LC.

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