

# CYCLOPS Installation Guide

GH-UDUE21-FC



## Caution

The following are not covered by the warranty :

1. Use the product incorrectly or in a manner other than the designed purpose.
2. Nonobservance of the proper operation provided. (e.g. over-clocking)
3. Malfunction due to interference from other devices.
4. Fail to install due to the specification of the VGA card or other components that are not supported by the product.
5. Unauthorized modification of the product.
6. Malfunction arising from casualties (earthquake, thunder, fire, and flood).
7. The warranty label of the product has been removed or damaged.
8. Any loss caused by removing the original heat sink on VGA card.
9. Any loss caused by failure to follow the installation process contained in the user.

## Features

1. Supports nVIDIA SLI and ATI CrossFire.
2. High Performance – Aluminum fin with copper pillar and base to advance thermal circulation.
3. Radial airflow – 8 cm fan with radial airflow to enhance thermal circulation of surrounding components.
4. Light weight – Only 200g, VGA card loading free.
5. Two covers in red and green– Users may use the cover depend on their preference.
6. Ball bearing fan with 2300 rpm – provides quiet and long life expectancy and reliability.
7. Heat sink for memory.
8. Easy and fast installation.

## Specification

Heat Sink Dimension : 160 x 91 x 34 mm	Fan Life Expectancy : 30,000 hr
Fan Dimension : 80 x 80 x 15 mm	Support :
Base material : Copper	nVIDIA 6600 PCI-E series
Fin material : Aluminum	nVIDIA 7600 PCI-E series
Rated Voltage : 12 V	ATI RADEON X1650 series
Rated Current : 0.19 Amp	ATI RADEON X700 series
Fan Speed : 2300 rpm	ATI RADEON X1600 series
Noise : 25 dBA	ATI RADEON X1300 series
Bearing Type : EBR Bearing	ATI RADEON X800 series

## Accessories



1) Cover ( red ) x 1



2) Wrench x 1



3) Heat Sink x 8



4) Washer x 4



5) Nut x 4

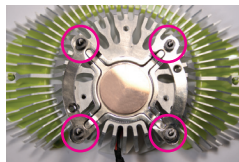


6) Screw x 4

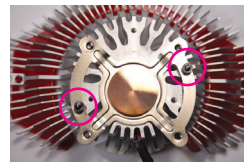


7) Grease x 1

## Bracket Instruction



TYPE A



TYPE B

PCI-E		AGP		PCI-E		AGP	
nVIDIA	ATI	nVIDIA	ATI	nVIDIA	ATI	nVIDIA	ATI
GeForce 6600 LE	RADEON X1650 XT				RADEON X800 XL		RADEON X800 XL
GeForce 6600	RADEON X1650 Pro				RADEON X800 GTO		RADEON X800
GeForce 6600 GT	RADEON X1600 XT				RADEON X800		RADEON X800 XT
GeForce 7300 GS	RADEON X1600 Pro				RADEON X800 XT		RADEON X800 Pro
GeForce 7600 GS	RADEON X1300 Pro				RADEON X700 XT		
GeForce 7800 GT	RADEON X1300				RADEON X700 Pro		
					RADEON X700		

## Installation Instruction ( ATI and nVIDIA )



Figure A

**STEP 1** Remove the original cooler on the VGA card and clean the grease.  
( as Figure A )

**NOTE** Remove heat sinks on the memories if any.

**Caution :** Please be careful while removing the original heat sink on the VGA card. GIGABYTE is not responsible to any loss caused during the removing process.



Figure B

**STEP 2** According to the number of the memories on the VGA card, to remove the sticker on the back of the heat sinks and paste on the memories.  
( as Figure B )



Figure C

**STEP 3** Apply the grease on the VGA chip appropriately.  
( as Figure C )

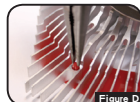


Figure D

**STEP 4** To replace the cover, use the pincer compress the collapsible end of the push clips to slide out to remove the original cover and put on the new one by aligning the push clips with the lock holes on the cooler and pushed completely through the holes to lock it. ( as Figure D )



Figure E

**STEP 5** Tear off the sticker on the copper base. ( as Figure E )

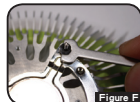


Figure F

**STEP 6** Lock the screws on the bracket with wrench. ( as Figure F )

**NOTE** Please lock the screws on the appropriate positions.



Figure G

**STEP 7** Place the cooler on the table and align the holes for the screws on the VGA card to the screws on the cooler.  
( as Figure G )



Figure H

**STEP 8** Place the washers on the screws with screwdriver to fasten the cooler.  
( as Figure H )

**NOTE** To avoid the damage to the chip, please lock the nuts diagonally.



Figure I

**STEP 9** To complete the installation, connect the power cord of the fan to the output of the power supply.  
( as Figure I )  
While installing the power cord of the fan, please be careful not to interfere to the blade.