



AquaMark3™

The Reality Benchmark

Community

[www.aquamark3.com](http://www.aquamark3.com)

## Dear Reader!

This is the third and last of the AquaMark3 info packs, before our baby will be released. This issue focuses on the theme "community". What does this word mean to us?

As gamers and developers we always have been part of communities. They are essential to our life and professions. Because with AquaMark3 we created a tool for the avid gamer we thought of the gaming community from the very start. And knowing there are a lot of people out there willing to share their knowledge and experience to help others we focussed a good deal of our development time on supporting the community we expect to grow around AquaMark3.

We are well aware that - after running all necessary tests – your work only just has begun. What do you have to do with the test results? The most of you will have one or maybe two machines? So how can you get any data to make sure your diagnosis is right? Before you buy new hardware, how can you make sure you made the best decision? There are two possibilities: discuss it in a forum and compare with the results of different systems. Our intention is to bring these two platforms as close together as possible!

## The AquaMark Forum

The AquaMark forum has been installed when we started aquamark3.com. It's the usual procedure: create a nick, define a password, enter your valid e-mail address and off it goes. As a forum it works pretty much like every professional hardware forum you ever entered.

Our first step in bringing the forum and our AquaMark Result Comparator ARC™ close to each other was to make an immediate change from one to the other possible. Your login for the forum is valid for ARC – and vice versa. One login fits all!

Thus we hope the AquaMark3 ARC™ will become the public scoreboard needed to feed the discussions and make its claims provable without having to login into a different place.

# AquaMark ARC™ - AquaMark Result Comparator

When designing the AquaMark ARC™ we came up with a handful of distinctive design goals: the ARC should be the place where every AquaMark user is able to:

- easily administrate his test results even of multiple test runs
- share his results with others
- compare different results between thousands of other systems
- get exact information about the best upgrade for his system
- get all the information needed without being spammed by data overflow



The 3 ARC steps: overview, search, compare

## Our Approach

After easily uploading your test results, be it a single run or an automated test series, you can either overview and administrate your results, search for other results and sort them and in the 3<sup>rd</sup> step compare one of your results with another one down to each and every detail of them. All 3 steps are guided by explanations on the left side and our forum based FAQ lets you ask questions on the ARC that we will answer.

## One login fits all

So you're in the forum and want to check for some data in the ARC to feed your arguments? There will be no further login on our sites. The login for the forum automatically logs you on to the ARC and vice versa! So it's a single click and all the data you need is available.

## Overview

Each uploaded test session will be listed in your personal overview administration page, the first page you get after entering the ARC. Here you can:

- enter test results and name the measurements
- delete them if not needed any longer
- publish them (or retract them from being published)

Everything with a simple single click, even selecting one of your test results to enter the search area.



The screenshot displays the ARC overview page. On the left, there is a legend explaining various abbreviations: DATE (submit date), CPU (Central Processing Unit), HT (Intel Hyper Threading), CR (CPU clockrate), SRAM (System MainMemory), OS (OperationSystem), GFX (Graphics Adapter Card), CM (GFX's Core and Memory clockrate), and VRAM (the GFX's). The main area shows a list of test sessions. The first session is highlighted, showing details like AquaMark Score, FPS, TPS, and system specs. Below this, there are sections for 'Public Measurement' and 'Delete this measurement' links. The second session is also highlighted, showing similar details. The third session is highlighted, showing details like AquaMark Score, FPS, TPS, and system specs. The fourth session is highlighted, showing details like AquaMark Score, FPS, TPS, and system specs. The fifth session is highlighted, showing details like AquaMark Score, FPS, TPS, and system specs.

## Your overview page

## Searching

Here you can easily determine the parameters for your search filters in relation to your selected test result. Basically there are six sorting filters:

- AquaMark Score
- AquaMark CPU Score
- AquaMark GFX Score
- Frames per second
- Triangles per second
- Pixel per second

[:: PROFILE](#)
[:: REGISTER](#)
[:: MEMBERS](#)
[:: F.A.Q.](#)
[:: SEARCH](#)
[:: HOME](#)

### AquaMark ARC - Search

Hello, daniel.renkell!

[Return to My Overview](#)  
[Log Out](#)  
[AquaMark ARC FAQ](#)

**Explanations:**

- Any** displays any systems with that type
- Use My** uses your systems value for the criteria
- Use Exactly** uses exactly your systems value
- Use Approx.** approximates your systems value by +/- ~5%
- gray** disabled options, mean that your selected measurement does not include this data

**Basic Search Criteria:** compare against measurements matching the following basic search criteria:

Processor type:  [Use My Measurement](#), [Search for Any](#)  
 Processor speed between:  MHz and  MHz [Use Exactly](#), [Use Approximately](#), [Search for Any](#)  
 Graphics card:  [Use My Measurement](#), [Search for Any](#)

**Extended Graphics Criteria:** compare against measurements matching the basic and extended graphics criteria:

Core clock rate between:  MHz and  MHz [Use Exactly](#), [Use Approximately](#), [Search for Any](#)  
 Memory clock rate between:  MHz and  MHz [Use Exactly](#), [Use Approximately](#), [Search for Any](#)  
 Display resolution:  [Use Exactly](#), [Any](#) Bitdepth:  [Use Exactly](#), [Any](#)  
 Anti-Aliasing Mode:  [Exactly](#), [Any](#) Quality Level:  [Use Exactly](#), [Any](#)  
 Anisotropic Filtering:  [Use Exactly](#), [Any](#) Detail Level:  [Use Exactly](#), [Any](#)

**Comparative Basis:** Sort order of measurements-list by:

☐ AquaMark Score
 ☐ AquaMark CPU Score
 ☐ AquaMark GFX Score  
☐ Average Frames per Second
 ☒ Average Triangles per Second
 ☐ Average Pixels per Second

Search using above criteria:  [Reset](#) all criteria fields to Search for Any

**Your Measurement to Compare** is ranked under this search criteria on rank #14 which is on page 2

## Searching for comparable test results

Note that not all test results deliver data in each of the filters. Furthermore you define the range of test systems you want to compare with. You're able not only to determine nearly each system component but also the test parameter settings of the results you want to see. A feature not yet seen in other benchmark result checkers! With another single click you are able to select the one test result you want to compare with in detail.

Search using above criteria:  [Reset](#) all criteria fields to Search for Any

**Your Measurement to Compare** is ranked under this search criteria on rank #14 which is on page 2

#14	AquaMark Score: n/a (CPU: n/a, GFX: n/a)	PPS: n/a	FPS: 28.69	TPS: 3606 K	Your Measurement
CPU:	AMD Athlon(tm) XP 2100+	CR: 1698 MHz	SRAM: 512 MB	OS: Microsoft Windows XP	
GFX:	NVIDIA GeForce4 Ti 4600	CM: 300 / 648 MHz	VRAM: 128 MB	DRIVER: 6.14.1.4345	
RES:	1024x768 x 32bit	AA: Off	AF: Off	DETAILS: Very High	
INFO:	daniel.renkell, 2003-05-13, "Benchmark test namens änderung (2003-05-07 10-26-33)"				

**Search Results:** (Including your measurement at its rank)

<< Previous Page Results 1-10 of 79 Goto page: 1 2 3 4 5 6 7 8 Next Page >>

#1	AquaMark Score: n/a (CPU: n/a, GFX: n/a)	PPS: n/a	FPS: 46.70	TPS: 5222 K	Detail Comparison
CPU:	Pentium(R) 4 processor , HT:Off	CR: 2980 MHz	SRAM: 512 MB	OS: Microsoft Windows XP	
GFX:	RADEON 9700 PROCHÄN a8?	CM: 324 / 311 MHz	VRAM: 128 MB	DRIVER: 6.14.10.6334	
RES:	640x480 x 32bit	AA: 4X Q1	AF: 4x	DETAILS: Very High	
INFO:	Wire, 2003-05-06, "Benchmark 2003-04-29 16-36-11 Markus ist nett"				

#2	AquaMark Score: n/a (CPU: n/a, GFX: n/a)	PPS: n/a	FPS: 40.54	TPS: 4830 K	Detail Comparison
CPU:	Pentium(R) 4 processor , HT:On	CR: 3000 MHz	SRAM: 512 MB	OS: Microsoft Windows XP	
GFX:	RADEON 9700 PROCHÄN a8?	CM: 324 / 311 MHz	VRAM: 128 MB	DRIVER: 6.14.10.6334	
RES:	1024x768 x 32bit	AA: Off	AF: Off	DETAILS: Custom	
INFO:	Wire, 2003-05-14, "Benchmark 2003-05-08 18-11-38"				

**Legend:**

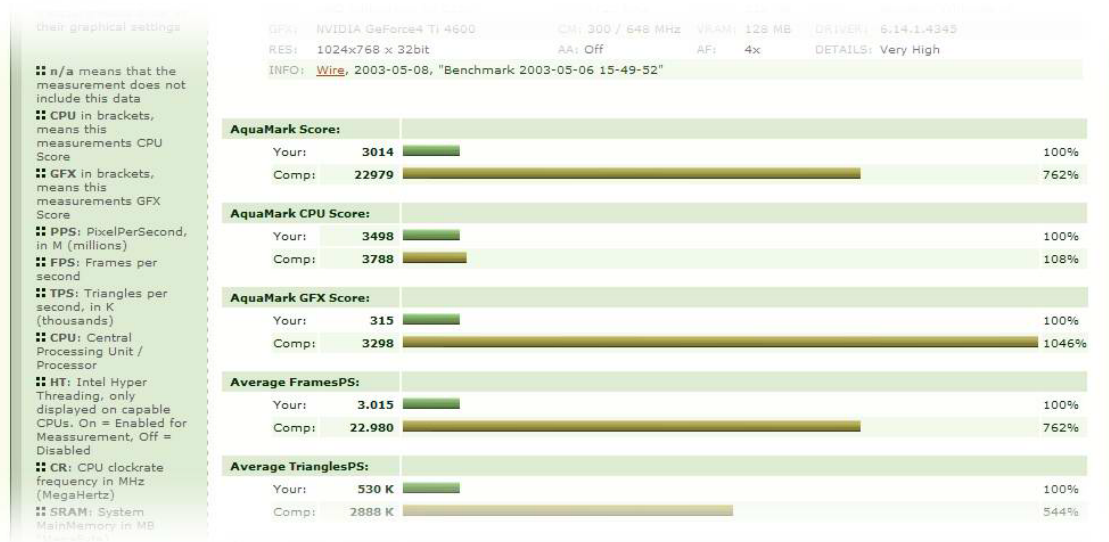
- #** is the current Rank of this measurement in context to your comparison / search settings
- n/a** means that the measurement does not include this data
- CPU** in brackets, means this measurements CPU Score
- GFX** in brackets, means this measurements GFX Score
- PPS:** PixelPerSecond, in M (millions)
- FPS:** Frames per second
- TPS:** Triangles per second, in K (thousands)
- Detail Comparison:** click here to view a detailed comparison between the selected measurement and your active ones
- Your Measurement:** this is your measurement on it's ranked placed in context to your comparison / search settings

**Footer:** CPU: Central, 28.69, 3606 K, TPS: 3798 K, Detail Comparison

## The test results returned on the search page

## Comparing

After selecting the one test result you want to compare with, you get lists of system components and test settings used in both your test and the test to compare with. Differences will be marked in red. A variety of bars and tables now give you easily understandable information about the differences in the two systems – and what they mean for the test results. A correct analysis of the test results is at your hands.



### Score Comparison of two test results

## How do we get the data?

All data you upload is from the system you ran the test on. So you can easily run the test on a different machine than you run your internet browser on.

We use Entech™ technology [<http://www.entechtaiwan.com/>] to detect your clock speed and read all other information from your system. Of course you are able to see the submitted information before upload.

We only take the data we need, and even more: **we** don't publish anything. If you don't want people to know about your system, that's fine with us. You don't have to make any of your results public. All measurements are listed as private per default on your overview page.

We don't take any data not necessary for result comparison and all the information we take will be displayed in your test results. So you know what we get.



## **What can you do with the information?**

You can keep the test results to yourself. But to be honest: that's not what benchmark results are for. So we think it's a good idea to share them. And compare them with other people willing to share their results.

Now if you're a hardware specialist you know what to do with your system after running the benchmark and checking in the ARC. But probably you already have the killer machine anyway. So what about joining our forum, helping other people to determine the weak spots in their systems? They have the data, you have the knowledge. And if you don't have the knowledge, then finding someone there knowing what you want to know is a simple thing.

Remember: the forum is just one click away. No second login needed!