

# Bsquare HTML5 Rendering Engine

Improve user experiences with proven technology

## Highlights

- Improve customer satisfaction with faster HTML rendering and JavaScript® performance
- Deliver high-performance, custom browsers more quickly and at lower cost
- Create unique user experiences with differentiated user interfaces
- Build applications with a framework that leverages the strengths of Adobe® Flash®, JavaScript and HTML



## Overview

The Bsquare HTML5 Rendering Engine builds on WebKit, the popular open source technology that is the centerpiece for many popular Web browsers such as iPhone®, Android™, Safari® and Google Chrome™.

The Bsquare HTML5 Rendering Engine is a general application framework for deploying all types of rich applications on mobile and embedded devices. Applications can include:

- Browsers
- Email, instant messaging and chat clients
- Help viewers
- Retail point-of-sale and kiosk software
- Media players
- RSS readers

The following graphics show performance results of the Bsquare HTML5 Rendering Engine including JavaScript performance, HTML Rendering performance, and ACID3 Test. The Bsquare results surpass the test results of popular browsers in JavaScript and HTML Rendering performance tests. The Bsquare solution also passes 100% of the ACID3 Test.

## High Quality Applications, Faster

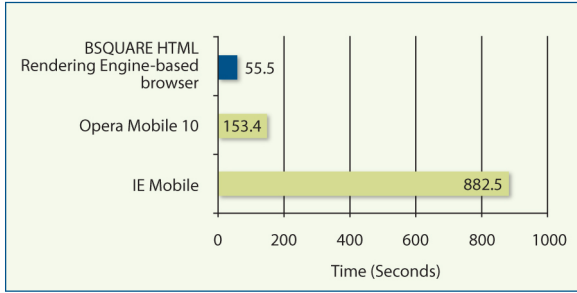
Bsquare created the high performance Bsquare HTML5 Rendering Engine for Microsoft® Windows® Embedded CE 6.0 as an enhancement to the company's wide array of development solutions. Compatible with ARM platforms using Windows Embedded CE 6.0, the framework is optimized for Windows Embedded CE 6.0 and includes a software development kit (SDK) that enables quick starts for Windows CE UI application development projects.

This high performance product is Adobe® Flash® plug-in ready and extensively tested with ACID3, SunSpider, Layout test and Mozilla ECMAScript.

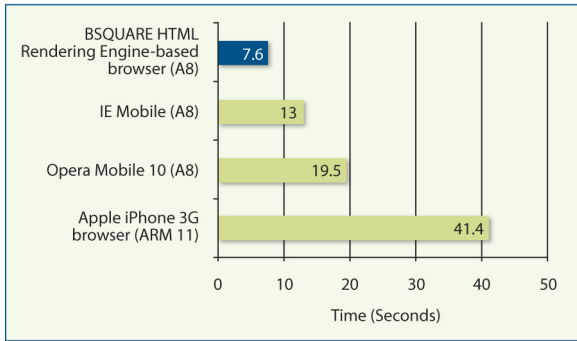
If additional expertise and development support are required for a project, Bsquare offers a wide range of engineering services that can help remove risk, reduce overall project costs and speed application development time. Bsquare can enable faster delivery of higherquality products to market with:

- Feasibility, architecture recommendations and prototype services
- Porting HTML5 Rendering Engine to Windows Embedded CE devices and other operating system platforms
- HTML5 and JavaScript application development
- Performance optimization
- Adobe® Flash® Lite® plug-in and application development
- Native custom UI application development
- Scalable Vector Graphic (SVG) support
- Industry standard test verifc

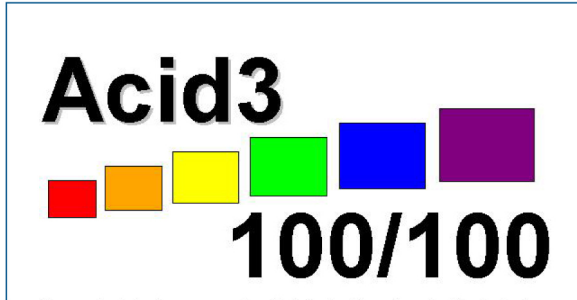
**Sunspider javascript benchmark**



**HTML rendering performance**



**Acid3 test**



To pass the test, a browser must use its default settings, the animation has to be smooth, the score has to end on 100/100, and the final page has to look exactly, pixel for pixel, like this reference rendering.

**Why Bsquare?**

Bsquare is a leading enabler of smart, connected devices with a dedicated engineering consulting practice and deep technical knowledge of Microsoft Windows Embedded and other platforms, as well as diverse, vertical market expertise.

An extensive partner network enables Bsquare to provide licensing and product support solutions for our clients. And, strong partnerships with silicon vendors allow Bsquare to provide specific optimization and extensions for Texas Instruments™ OMAP™, Qualcomm Snapdragon™, Freescale™ i.MX, and other ARM chipsets.

Work with the highly experienced Bsquare team to accelerate time-to-market, reduce risk, optimize system performance and lower your overall project costs.

**Bsquare HTML5 Rendering Engine**

Feature	Benefits
High performance	The HTML5 Rendering Engine is optimized for Windows CE 6 on ARM platform
Application and UI support	Custom applications and UI are supported by the high performance framework
Portable and reusable	Applications built on the HTML5 Rendering Engine can be reused across multiple platforms including Android, iPhone, Windows Emb Embedded CE and Windows Mobile
Adherence to standards	Industry standards supported include: HTML5, CSS3, SVG, and Adobe Flash
Rich media support	Rich media content can be delivered easily with Adobe Flash Plug-ins and SVG
Native development support	Developers can utilize the HTML5 Rendering Engine to build custom native UI applications

For more information, please visit [www.bsquare.com](http://www.bsquare.com). Or email us at [sales@bsquare.com](mailto:sales@bsquare.com)

**At Bsquare**

Bsquare is a solution provider to the global embedded device community. Our teams collaborate with OEMs at any stage in their device development to bring quality products to market faster. Since 1994, Bsquare has been a trusted partner to smart device makers worldwide.

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