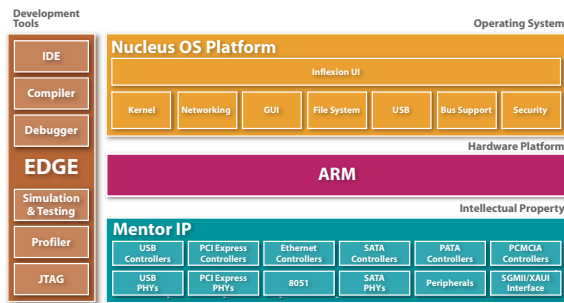


Over the years, Nucleus® OS from Mentor Graphics has been one of the most widely deployed operating systems in the world for wireless mobile devices.

As one of the first commercially deployed solutions for ARM, Nucleus OS has proven itself as a world leader and a key enabler for the ARM architecture. When it comes to small battery-operated devices energy management is critically important, which is why ARM is at the forefront of most new development. In addition, many home entertainment devices are now utilizing ARM cores for their performances and time-to-market advantages.



Mentor Graphics is committed to supporting ARM cores and architectures and we are constantly updating our portfolio of optimized and integrated solutions to meet all of your ARM needs.

### Leading ARM Licensee Support

Mentor Graphics supports a wide range of semiconductors and platforms enabling a host of parts and peripherals. Leading ARM licensee vendor support includes:

- ATMEL
- Freescale
- STMicroelectronics
- Conexant
- Texas Instrument
- Samsung
- Sharp
- Marvel

### BENEFITS

#### Increased Performance

With today's mobile devices incorporating a growing number of features and functionality, the job of the OS is to efficiently manage these resources; as functionality increases, so too does code size. The Nucleus OS running on ARM gives you a small and agile platform solution to meet the stringent demands of your customers.

#### REDUCED BOM

When deploying high volume electronic devices, the bill of material (BOM) costs is one of the top concerns for engineering managers and executives. Higher margins equate to greater success, so keeping BOM costs down is critical to the overall success of the product. Having a no royalty solution helps mitigate some of this risk by not having to pay a per unit fee each time you ship a device.

#### Vast BSP Support

Mentor Graphics thrives on proactively supporting a wide array of ARM cores and reference platforms. When you select an ARM target, pre-existing key peripherals are enabled with Nucleus OS enabling you to focus on your core competencies.

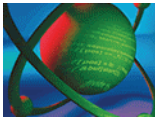
#### Improved Flexibility

You may not need a component now, but in the future a particular component may be a vital part of your requirement. Unlike many operating systems on the market today, the Nucleus OS is scalable, allowing you to meet your future or unanticipated development goals. The modular format means that you use only the components you need negating useless overhead.

#### Comprehensive Development Tools

The EDGE Development Suite facilitates all of your development needs

- Optimized EDGE ARM compiler
- Vast ARM Core Debugging
- EDGE MAJIC JTAG support for ARM
- Host / Multi-core Debugging
- Supports multiple ARM cores



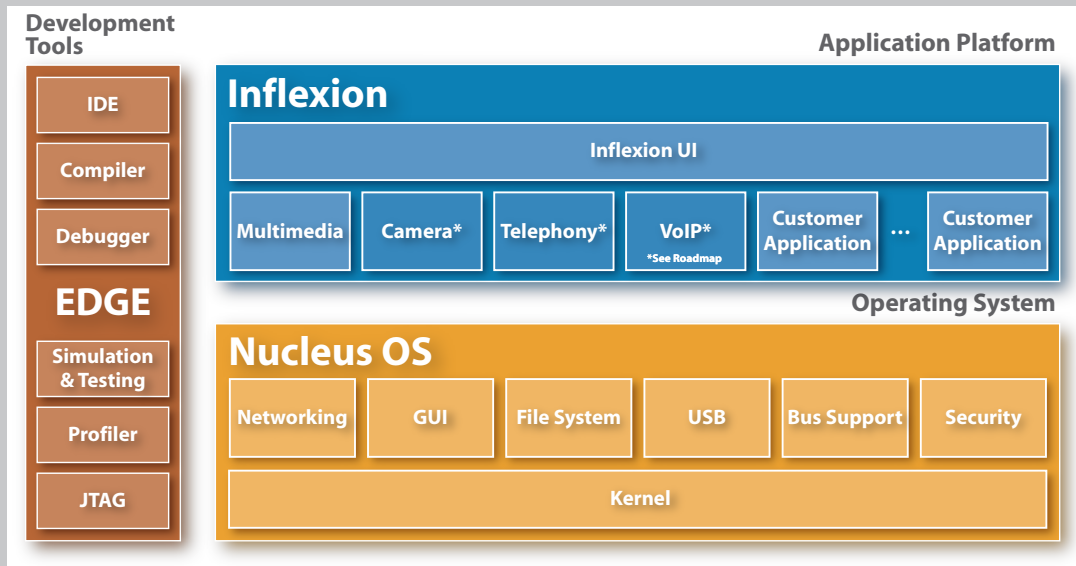
## **Broad ARM Core Support**

Mentor Graphics supports an array of optimized ARM cores which are readily available COTS solutions. From low power cores ARM7 to the latest high performance ARM11 architectures Mentor has what you need to jump start your projects.

- ARM720T
- ARM7TDMI
- ARM920T
- ARM922T
- ARM926EJ-S
- ARM946E-S
- ARM1136
- ARM1156
- ARM1176

### **MENTOR GRAPHICS IS THE ONLY EDA COMPANY TO OFFER TRULY COMPREHENSIVE SOLUTIONS FOR TODAY'S EMBEDDED SOFTWARE CHALLENGES**

For the past 15 years, Mentor Graphics has been a loyal and trusted partner to embedded software developers around the world. Our Nucleus OS has evolved into a full-featured operating system that allows you to work quickly and easily with complete confidence that you're deploying the best technology in the industry. Our EDGE™ Developer Suite offers a new generation of design and development tools targeted at making embedded system development a more fluid and trouble-free process. Inflexion Platform™ UI, our latest addition to our embedded portfolio, provides a dynamic and robust UI for many of today's most popular mobile and digital devices.

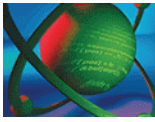


*Nucleus OS, EDGE Developer Suite, and Inflexion from Mentor Graphics.*

**For more information on our embedded software solutions,  
please visit [www.mentor.com/embedded](http://www.mentor.com/embedded)**

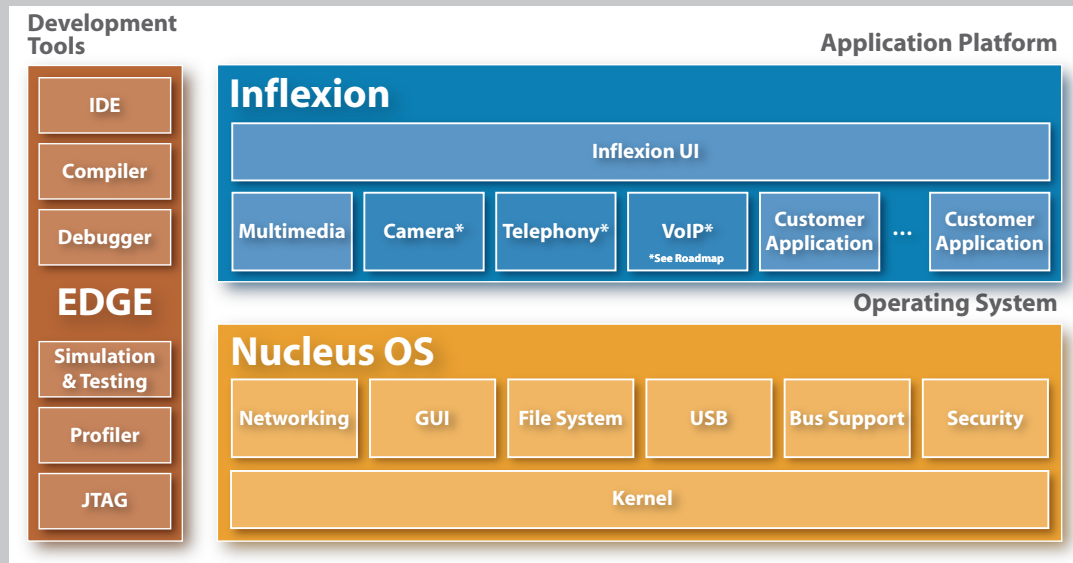
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*Nucleus OS, EDGE Developer Suite, and Inflexion from Mentor Graphics.*

**For more information on our embedded software solutions,  
please visit [www.mentor.com/embedded](http://www.mentor.com/embedded)**

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739 N. University Blvd., Mobile, AL 36608  
Phone: 251.208.3400 | Fax: 251.208.7474 | Toll free: 800.468.6853  
Email: [embedded\\_info@mentor.com](mailto:embedded_info@mentor.com)

[Mentor.com/embedded](http://Mentor.com/embedded)