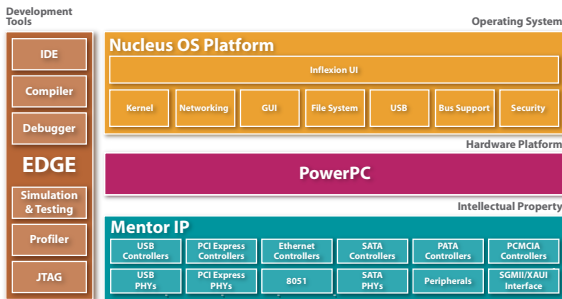


Companies today are not only doing more business domestically, but economic globalization now enables them to compete internationally as well.

This means that a company's network infrastructure must be robust, fail safe, and most importantly, secure from unauthorized threats. Requirements such as these are why the Nucleus® OS from Mentor Graphics is the preferred choice among network applications.

Responding to the challenges of the marketplace, the PowerPC architecture ranks high in designing secure network applications. Leading companies such as Freescale, IBM, and AMCC have high performance microprocessors and are aggressively addressing demands for secure communication applications such as: VPN routers, wireless access points, cellular base stations, network attached storage equipment, and more.

The above mentioned hardware solutions, when



coupled with the proven capabilities of Nucleus OS, offer developers of PowerPC architectures key performance and time-to-market advantages.

Mentor Graphics is fully committed to the PowerPC architecture and we are constantly updating our portfolio of integrated solutions for all of your PowerPC needs.

Benefits

Secure Networking

With support for protocols such as TCP/IP, IPv6, HTTP, SSL IPsec and others, the Nucleus OS has the most comprehensive suite of networking components on the market today, enabling secure connectivity to a host of devices.

Increased Performance

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

Reduced BOM

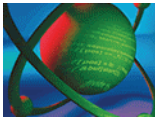
When deploying high-volume networked devices, the bill of material (BOM) costs is one of the top concerns for everyone involved. Higher margins equate to greater success, so keeping BOM costs down is critical to the overall success of the product. Further, having a no royalty solution helps mitigate some of this risk.

Vast BSP Support

Mentor Graphics thrives on proactively supporting your PPC core or reference platform often times before you even select it. When you select a PPC target, pre-existing technologies within Nucleus OS enable you to focus on your core competencies.

Improved Flexibility

You may not need a component now, but in the future a particular component may become 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 only the components you need are used negating useless overhead.



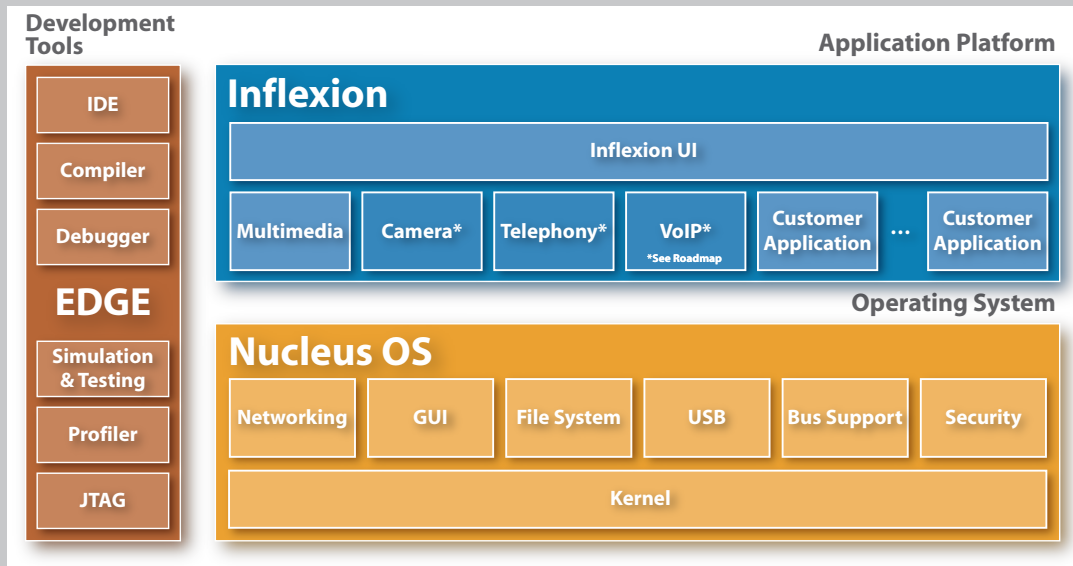
PPC Platform Support

The Mentor Graphics Nucleus OS provides an excellent starting point for projects involving the PowerPC architecture. From low to high performance designs, we have what you need when you need it.

- Freescale MPC52xx
- Freescale MPC55x
- Freescale MPC824x
- Freescale MPC825x
- Freescale MPC826x
- Freescale MPC827x
- Freescale MPC831x
- Freescale MPC832x
- Freescale MPC834x
- Freescale MPC836x
- Freescale MPC85x
- Freescale MPC86x
- Freescale MPC88x
- IBM 405GP
- AMCC PPC440

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

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