

# Mentor Embedded Nucleus ReadyStart for Texas Instruments Sitara AM335x

S P E C S H E E T

## Platform Highlights:

- Ready-to-use design start for immediate development
- Tutorial demos available to ensure fast and efficient starts
- Complete board support package
- Services to customize and extend BSP support
- Tightly integrated build, debug, and UI tools
- AM3352, AM3354, AM3356, AM3357, AM3358, AM3359

## Driver Support:

- **Bus Support:** I2C , SPI, and UART
- **Storage:** SD/MMC
- **GUI:** LCD, Touchpanel
- **Networking:** Ethernet MAC 10/100
- **Connectivity:** Serial and USB Host (OHCI)
- **USB:** USB Host (OHCI) and USB Function
- **Power Management Controller**

## Contact us for more information on driver support

For complete details and a current list of all drivers supported, please contact us at:

[nucleus\\_info@mentor.com](mailto:nucleus_info@mentor.com)



## Overview

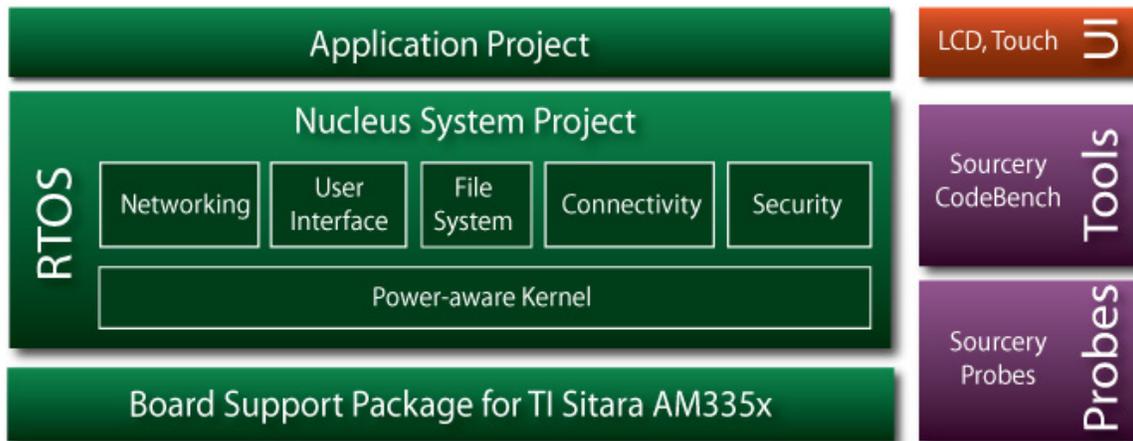
Accelerate product development with Mentor® Embedded Nucleus® ReadyStart™ – an integrated solution for select TI Sitara™ AM335x ARM Cortex-A8 boards. Nucleus ReadyStart includes a proven OS, tested drivers, a host of pre-integrated middleware IP, a 2D/3D graphical user interface (UI), along with build, compile, debug, and UI development tools.

Recently introduced by TI, the Sitara AM335x is an ARM Cortex-A8 microprocessor. Available at extremely competitive pricing and consuming as low as 7mW of power, the AM335 is ideal in applications where low power consumption and prolonged battery life are critical.

## Embedded software development today

A new paradigm has emerged in the embedded industry. Semiconductor companies have moved away from silicon only to system companies – building application-ready, hardware/software-specific platforms. Software developers are tasked to do more in a fraction of the time. Developers must also design their systems to accommodate ever-increasing processing power while staying within a given power budget and incorporate multicore architectures. If today's developers are to meet these challenges, they will need to work within an all-inclusive, highly integrated, and independent development platform. What's needed is a new design methodology based on a true build system with all the essential components pre-integrated and in place.

Nucleus ReadyStart answers that need.



*Nucleus ReadyStart comprises integrated software IP, tools, and services targeting specific boards such as the TI Sitara AM335x from Texas Instruments.*

### Nucleus ReadyStart for TI

Mentor® Embedded Nucleus® ReadyStart™ is the enablement platform TI system developers need today. The platform brings together integrated software IP, tools, and services into a single “ready-to-use” solution ideal for applications where a small footprint, deterministic performance, and small code size are essential. In addition, Nucleus ReadyStart includes tutorials, demonstrations, and configurations that provide immediately available application code, further assisting developers for an even faster bring-up.

### Why Nucleus ReadyStart is the smart choice for developers

Nucleus ReadyStart answers the most critical development challenges developers face today: cost and time to market. By providing a single distribution that accelerates fast bring-up of a complete system and by offering a new BSP interface along with power management services, software developers are able to create complex and optimized out-of-the-box target platforms instantly.

**For more information on Nucleus ReadyStart for TI AM335x, please visit:**

<http://go.mentor.com/am335x>

### For additional information please visit us at [mentor.com/embedded](http://mentor.com/embedded)

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**Corporate Headquarters**  
Mentor Graphics Corporation  
8005 SW Boeckman Road  
Wilsonville, OR 97070-7777  
Phone: 503.685.7000  
Fax: 503.685.1204

**Sales and Product Information**  
Phone: 800.547.3000  
[sales\\_info@mentor.com](mailto:sales_info@mentor.com)

**Silicon Valley**  
Mentor Graphics Corporation  
46871 Bayside Parkway  
Fremont, CA 94538 USA  
Phone: 510.354.7400  
Fax: 510.354.7467

**North American Support Center**  
Phone: 800.547.4303

**Europe**  
Mentor Graphics  
**Deutschland GmbH**  
Arnulfstrasse 201  
80634 Munich  
Germany  
Phone: +49.89.57096.0  
Fax: +49.89.57096.400

**Pacific Rim**  
Mentor Graphics (Taiwan)  
Room 1001, 10F  
International Trade Building  
No. 333, Section 1, Keelung Road  
Taipei, Taiwan, ROC  
Phone: 886.2.87252000  
Fax: 886.2.27576027

**Japan**  
Mentor Graphics Japan Co., Ltd.  
Gotenyama Garden  
7-35, Kita-Shinagawa 4-chome  
Shinagawa-Ku, Tokyo 140-0001  
Japan  
Phone: +81.3.5488.3033  
Fax: +81.3.5488.3004

