

# Mentor Embedded Nucleus ReadyStart for Texas Instruments Sitara AM3517

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

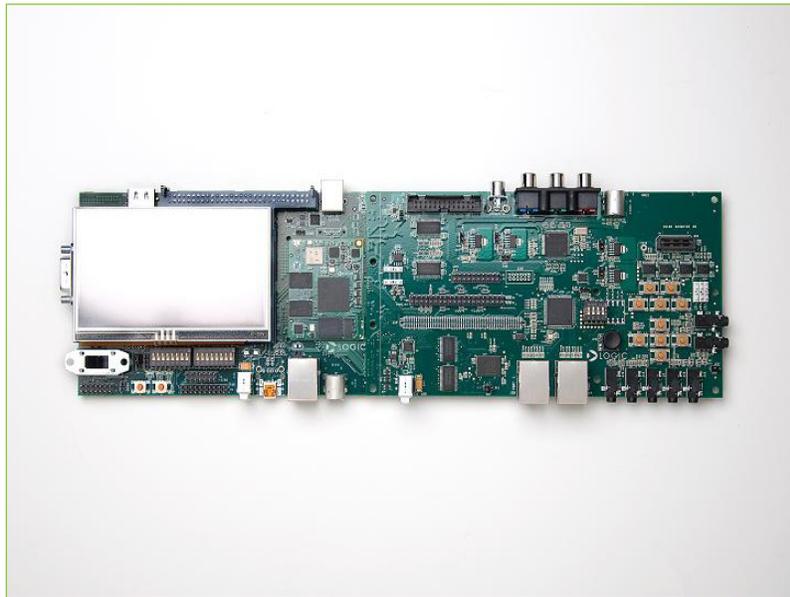
## Driver Support:

- **Bus Support:** I2C and SPI
- **Storage:** SD/MMC,
- **GUI:** LCD, Touchpanel
- **Networking:** Ethernet MAC 10/100, Wireless LAN
- **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

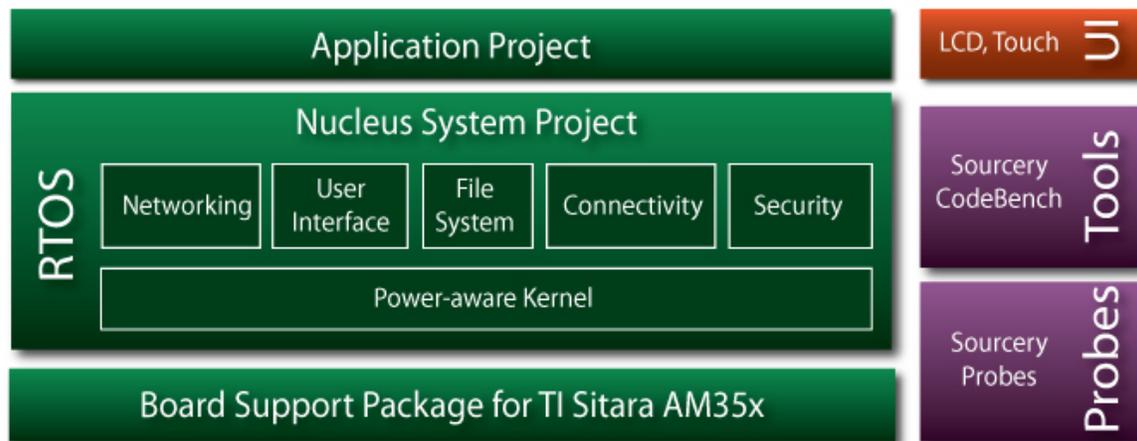
Accelerate product development with Mentor® Embedded Nucleus® ReadyStart™ – an integrated solution for select TI Sitara™ AM3517 boards. Nucleus ReadyStart includes a proven OS, tested drivers, a host of pre-integrated middleware IP, a 2D/3D graphical user interface (UI), along with build, compile, debug, and UI development tools.

The TI AM35x devices are ARM microprocessors based on the Cortex™-A8 for industrial applications. These devices offer multiple packages, industrial temperature options, peripheral integration and superior performance and graphics capabilities at sub-one watt power levels.

## 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 Sitara AM3517 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 AM3517, please visit:**

<http://go.mentor.com/am3517>

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

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