

# Enterprise Tablet Reference Design Quick Start Guide



For more information:  
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[www.allgosystems.com/etab](http://www.allgosystems.com/etab)

Welcome to the Enterprise Tablet Reference Design Quick Start Guide. The guide is created to help you through the initial setup of enterprise tablet design. Enterprise Tablet Reference Design allows you to experience the industry's popular Android™ 4.0 operating system that showcases the Sitara™ AM335x ARM® Cortex™-A8 processor, 3D graphics, Wi-Fi®/Bluetooth® based on WL1271 and much more. This customizable design provides the right mix of performance, seamless graphics, and easy-to-use development tools out of the box; all of which helps developers get to market in as few as three months.

## What do you get?

- One enterprise tablet beta unit
- Universal AC charger
- Quick Start/Setup Guide
- Online download of design files from AllGo Embedded Systems; including PCB layout and mechanical files, BSP and example application software, bill of materials (BOM) and other design documentation



## System Specifications

| Features                | Enterprise Tablet Reference Design Solution                                |
|-------------------------|--|
| OS                      | Android™ Ice Cream Sandwich 4.0  |
| Internal memory         | 512-MB DDR3 memory   |
| Program memory          | 512-MB NAND Flash + MicroSD card 4GB                                       |
| Display                 | 7" WVGA TFT LCD (800 × 480)  |
| Touch                   | 5-Touch capacitive touch panel   |
| Camera (optional)       | Internal USB camera (3.0 MP)   |
| Video player            | D1 resolution  |
| Audio                   | Stereo headphone / internal mic / internal mono speaker                    |
| Communication interface | Wi-Fi® 802.11 b/g/n + Bluetooth® 2.1 module; Ethernet 10/100 Mbps optional |
| Connectivity            | USB High-Speed Host port / USB OTG   |
| Battery                 | Li-Ion 3.7-V nom, 3300-mAH with protection circuit                         |
| Estimated eBOM          | < \$70 USD (in 100+ KU volume)   |

## Default setup (OS boot from SD card)

1

Connect the supplied adapter cable to the power connector on the enterprise tablet unit. The power connector is located on the bottom right corner of device.



2

Press the power button on the up right corner of the enterprise tablet device to turn it on.



3

3

Press on the virtual lock icon, move up to unlock the enterprise tablet device.



4

Move left and right to navigate between Android™ OS user interfaces.



4

5

You are now ready to explore Android 4.0 OS on the enterprise tablet. Click on any icon to start the demo / functions, and click the home button to return to the Android user interface.



5

## Additional resources

For more information on the Enterprise Tablet Reference Design, visit: [www.ti.com/etab](http://www.ti.com/etab), [www.allgosystems.com/etab](http://www.allgosystems.com/etab)

For more information regarding the Sitara™ AM335x processor, WL1271 Wi-Fi®/Bluetooth® solution, or other TI solutions on board, please visit: [www.ti.com](http://www.ti.com)

For support questions, please contact: [tabletrdk@list.ti.com](mailto:tabletrdk@list.ti.com), [support.etab@allgosystems.com](mailto:support.etab@allgosystems.com).

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### Applications

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|-------------------------------|--|
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