

## Display Development Kits for Cinnamon Bay SBC

ADI Engineering offers two Display Development Kits for Cinnamon Bay SBC, providing everything needed to develop your video-enabled application using an embedded LCD panel.

The Standard Display Development Kit is a complete development system for customers using one of ADI's already supported LCD panels. The kit includes a Cinnamon Bay board, 10.4" CCFL backlit LCD, touchscreen, backlight inverter, HDD with Linux and Windows Embedded Standard pre-installed, 802.3at PoE+ and conventional power supplies all mounted on a folding acrylic base. The kit also includes documentation, cables, and other accessories, and it comes fully assembled and tested, so you can immediately start developing with Cinnamon Bay SBC.

Also included in the kit is comprehensive technical support from ADI. The included 90 day support period provides email and phone support, unlimited access to ADI's web-based support extranet, and up to 3 hours of problem solving support from ADI's engineering staff. Expanded support agreements are also available.

Does your application need a unique LCD panel that ADI doesn't already support? ADI's Custom Display Development Kit provides customized support for your new LCD panel – details are on the next page.



### Standard Display Development Kit Contents

Item	Description
<b>Cinnamon Bay SBC</b>	A510P (1.1 GHz), A520PT (1.33 GHz, extended temperature) or A530P (1.6 GHz)
<b>Display</b>	10.4" LCD, 800x600 resolution, with CCFL backlight; NEC part number NL8060BC26-28
<b>Touchscreen</b>	5-wire analog resistive touchscreen
<b>HDD, Dual Boot Linux + Windows</b>	80GB PATA HDD, Dual boot, pre-loaded with Ubuntu Linux and a 30 day evaluation copy of Windows Embedded Standard
<b>Acrylic Desktop Easel</b>	Folding acrylic easel conveniently holds the Cinnamon Bay SBC, display, inverter, HDD and other system components
<b>Documentation CD</b>	CD with user's manuals, quickstart guides, operating systems, drivers and other documentation
<b>DDR2 SO-DIMM</b>	2GB 533 MHz DDR2 SO-DIMM, pre-installed
<b>Power Supplies</b>	Two powering options are included: <ul style="list-style-type: none"> <li>• ADI's 802.3at Option Module and an 802.3at power supply/injector</li> <li>• Conventional 12VDC power supply</li> </ul>
<b>Cables</b>	LVDS, touchscreen, CCFL inverter, Cat5, and RS-232 cables included
<b>Technical Support</b>	ADI Standard Support, Including: <ul style="list-style-type: none"> <li>• 90 day standard kit warranty and support period</li> <li>• Unlimited access to message board</li> <li>• Phone &amp; Email Support during warranty and support period (3 business day response)</li> <li>• Up to 3 hours of support problem-solving during the support period</li> <li>• Expanded Support agreements available for purchase</li> </ul>

### Standard Display Development Kit Ordering Information

- Standard Display Development Kit with Cinnamon Bay SBC A510P:  
ADI Part Number CB-DISP-KIT-510
- Standard Display Development Kit with Cinnamon Bay SBC A520PT:  
ADI Part Number CB-DISP-KIT-520
- Standard Display Development Kit with Cinnamon Bay SBC A530P:  
ADI Part Number CB-DISP-KIT-530

## LCD Panels Supported By Cinnamon Bay SBC

Cinnamon Bay comes from ADI supporting a range of LCD panel manufacturers, sizes, resolutions, and backlight types, as shown below.

Panel Manufacturer	Panel Size	Manufacturer Part Number	Resolution	Backlight Type
NEC	6.5"	NL10276BC13-01C	1024x768	CCFL
NEC	8.4"	NL6448BC26-08D	640x480	CCFL
NEC	8.4"	NL8060BC21-03	800x600	CCFL
NEC	10.4"	NL8060BC26-28	800x600	CCFL
NEC	10.4"	NL8060BC31-47D	800x600	LED
NEC	12.1"	NL10276BC20-18	1024x768	LED
NEC	15.0"	NL10276BC30-33D	1024x768	CCFL
Optrex	9.0" Wide	T55311D090J-FW-A-ABN	800x480	CCFL
Optrex	12.1" Wide	T55312D121J-FW-A-ABN	1280x800	CCFL
Sharp	10.4"	LQ104S1LG31	800x600	CCFL
Sharp	12.1"	LQ121S1LG42	800x600	CCFL

## Custom Display Development Kit - Adding Support for Other Displays

ADI Engineering's Custom Display Development Kit for Cinnamon Bay SBC provides a quick and convenient way for developers to obtain support for new LCD displays not already supported by Cinnamon Bay SBC. When a new display not listed above is just what your application needs, the Custom Display Development Kit allows ADI to seamlessly take care of all the hassles of getting your special display working.

When you purchase a Custom Display Development Kit and provide a sample of your display, backlight and touchscreen, ADI takes it from there. We handle all the work required to bring up your display on Cinnamon Bay SBC, including video BIOS modifications, designing and building custom cables for your display, backlight inverter and touchscreen, and integrating and testing the complete system. ADI ships back to you a working Custom Display Development kit including the Cinnamon Bay SBC, your display, inverter and touchscreen and other components mounted on a table-top acrylic easel base, assembled and tested. We also provide all the other contents and technical support included in the Standard Display Development Kit.

## Custom Display Development Kit Ordering Information

- Standard Display Development Kit with Cinnamon Bay SBC A510P:  
ADI Part Number CB-CUSTDISP-KIT-510
- Standard Display Development Kit with Cinnamon Bay SBC A520PT:  
ADI Part Number CB-CUSTDISP-KIT-520
- Standard Display Development Kit with Cinnamon Bay SBC A530P:  
ADI Part Number CB-CUSTDISP-KIT-530

## Contact Information

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