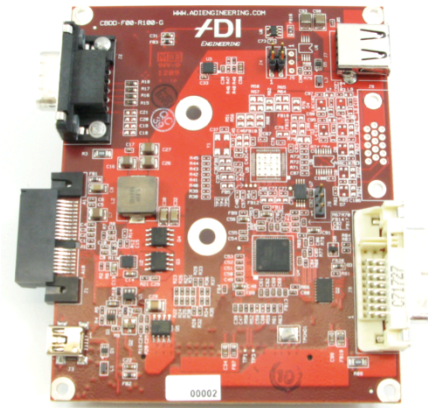




## DVI and VGA Expansion Daughtercards for Cinnamon Bay SBC

ADI Engineering's DVI and VGA Expansion daughtercards complement Cinnamon Bay's on-board LVDS video port with industry-standard VGA or DVI video outputs as well a variety of other interfaces. With a DVI or VGA Expansion Daughtercard, Cinnamon Bay SBC meets the needs of a wide range of video-enabled embedded applications where a standard TV or monitor must be supported.

The DVI and VGA Expansion Daughtercards are also compatible with ADI's 802.3at high-power Power over Ethernet option module, allowing OEMs to deploy innovative PoE+ powered embedded video products – including backlit displays – all with a single RJ45 connection and no local AC power, for reduced field installation costs and improved system reliability.



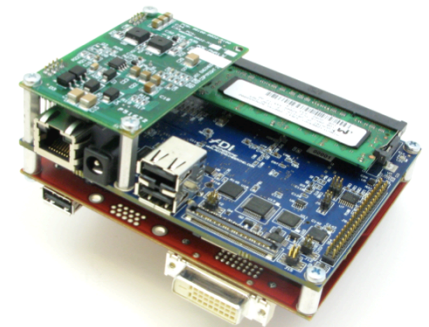
DVI Expansion Daughtercard



### DVI and VGA Daughtercard Feature Set

Feature	Specification
<b>Form Factor</b>	88x110mm
<b>Video Outputs</b>	<ul style="list-style-type: none"> <li>DVI Version: DVI, maximum 1080p 1920x1080 resolution</li> <li>VGA Version: VGA, maximum UXGA 1600x1200 resolution</li> </ul>
<b>USB 2.0</b>	<ul style="list-style-type: none"> <li>1 host port</li> <li>1 device port</li> </ul>
<b>PCI Express Slots</b>	1 PCIe x1 straddle-mount
<b>RS-232</b>	1 port, DB-9
<b>I2C/SMBus Header</b>	1
<b>Power Inputs</b>	<ul style="list-style-type: none"> <li>12V , 5V, 3.3V (all provided by Cinnamon Bay SBC)</li> <li>Receives all power from Cinnamon Bay SBC, whether it is running from a 12V or PoE+ source</li> </ul>
<b>Daughtercard Interface</b>	ADI Cinnamon Bay SBC daughtercard interface high-density board-to-board connector
<b>Temperature Rating</b>	0 to 70C

DVI Expansion Daughtercard with Cinnamon Bay SBC and 802.3at PoE+ Option Module



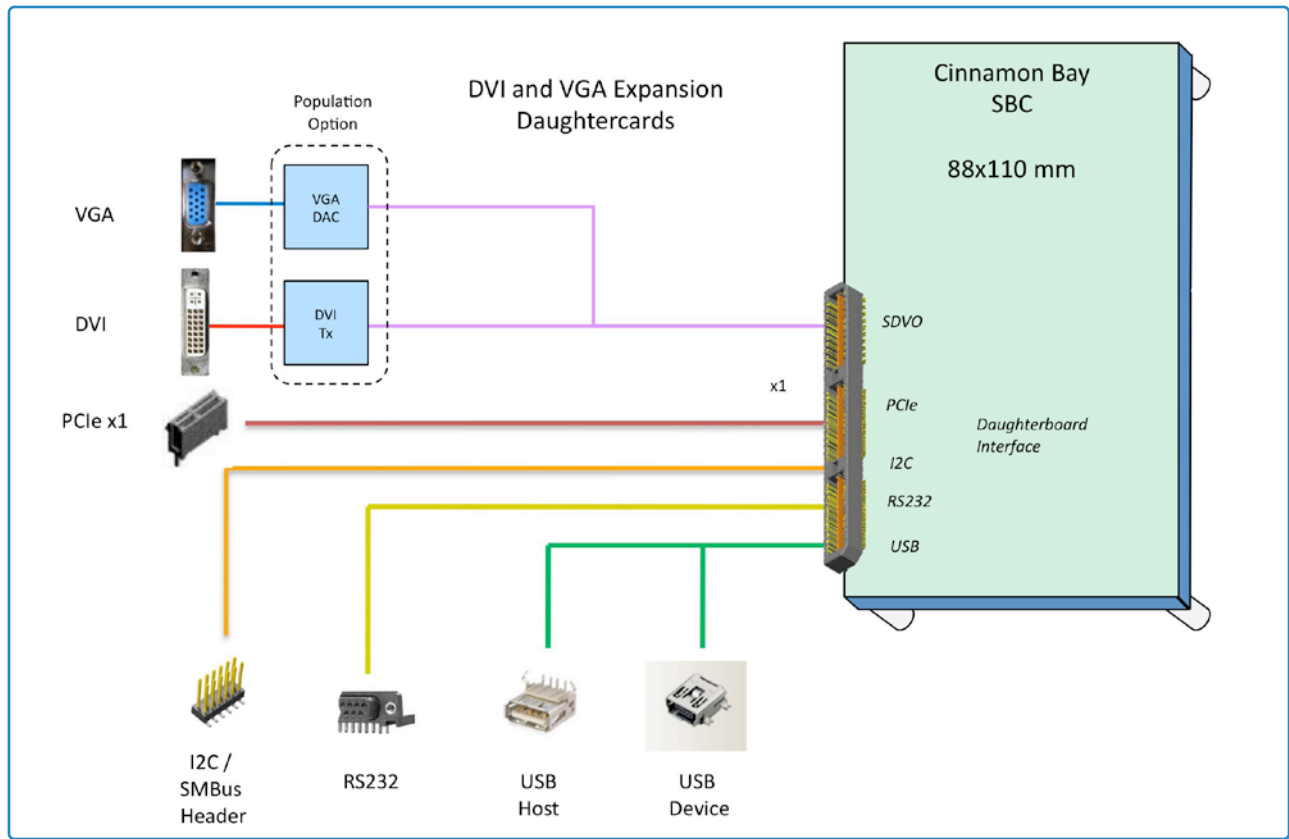
### ADI's Open IP Model

As the "Open IP ODM," ADI stands alone in providing uniquely open model of customer-directed production control and IP transfer, along with distinctively strong engineering and manufacturing capabilities. Under ADI's unique Open IP model, customers may choose at any point to license ADI's comprehensive Open IP Design Source Kits and build the DVI and VGA Expansion Daughtercards (or any other ADI product) themselves directly, as they see fit.

ADI's engineering team also stands ready to develop semi-custom variants of our products to your exact specifications, delivering a truly unique solution at a fraction of the time and expense of a traditional fully custom design.



## DVI and VGA Expansion Daughtercards Block Diagram



### Other Daughtercards for Cinnamon Bay SBC

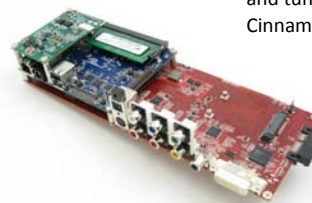
ADI offers three off-the-shelf daughtercards for Cinnamon Bay SBC. When needed, ADI or its customers can easily create application-specific daughtercards, transforming Cinnamon Bay SBC into a differentiated end product with low cost and quick time to market.

#### 802.3at PoE+ Option Module:



Adds 802.3at compliant PoE+ to Cinnamon Bay SBC's on-board Gb Ethernet port. After powering Cinnamon Bay SBC, up to 20 watts are left over for user-supplied peripherals – backlit displays, cameras, radios, mass storage, and other add-ons – allowing rapid creation of PoE+ powered complete systems. The 802.3at Option Module can be used with the DVI and VGA Expansion Daughtercards to create innovative PoE+ powered embedded video systems.

#### IP Media Daughtercard:



Adds digital and analog HD and SD video outputs, digital and analog audio I/O, and expansion slots for Wi-Fi and cellular radios, and tuners (shown with Cinnamon Bay SBC).

### Availability and Ordering Information

Order Part Number: 80201-0021-G00 (VGA version), 80201-0021-G01 (DVI version)

### Available Through



### Contact Information

ADI Engineering, Inc.  
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