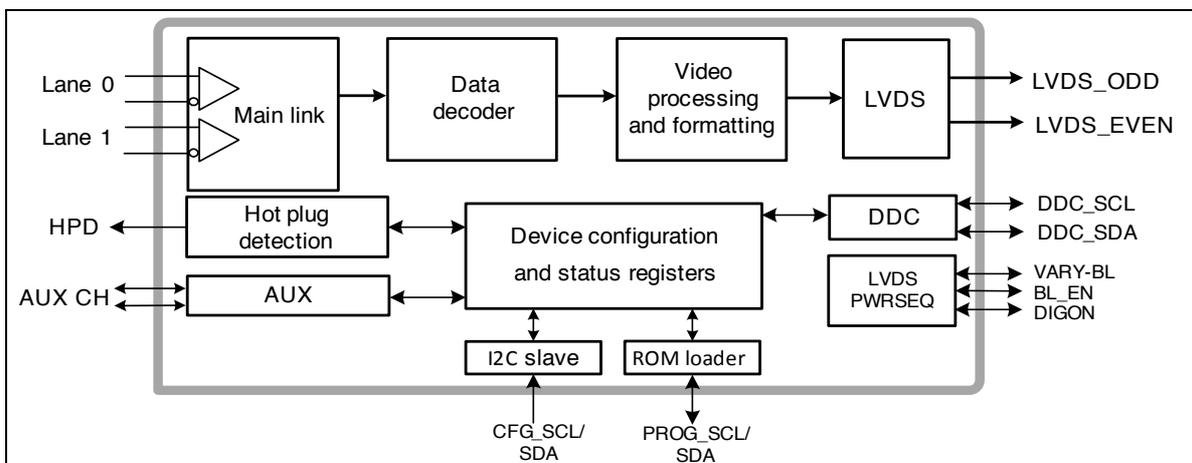


## Low Power DisplayPort™ to LVDS Translator

ANX1122 is a high-performance low power DisplayPort 1.2 to 24bpp dual-/single-channel LVDS translator. It is designed for connecting motherboards to legacy LVDS LCD panels.

### Features

- DisplayPort input interface
  - eDP 1.3 compliant
  - 1/2 lane high-speed differential input with configurable speed: 5.4Gbps, 2.7Gbps, or 1.62Gbps
  - Resolutions up to WQXGA (2560x1600@60Hz, 24bpp) with pixel clock frequency up to 270 MHz
  - Industrial temperature version only supports 2.7 and 1.62Gbps DisplayPort connections (resolutions up to WUXGA, 1920x1200)
  - Standard AUX channel link up to 1Mbps bandwidth
  - DisplayPort mode spread spectrum clock (SSC) support
- Stereo (3D) video output support
- LVDS output interface
  - 8-BPC LVDS output with single/dual ports
  - Programmable LVDS swing, channel swap, and polarity invert
  - LVDS central spectrum spreading with amplitude up to +/-1.75%
- Programmable by the DP transmitter through AUX channel, or by local I2C slave
- External clock input optional
- Power requirements
  - 3.3V IO, 1.05V core power
- Package offered: 64QFN 8x8mm
- RoHS compliant and Halogen free package





## Related Products

Part Number	Description
ANX1121	Single-channel DP to LVDS translator

Copyright ©2014 Analogix Semiconductor, Inc.  
3211 Scott Blvd., Suite 103  
Santa Clara, CA 95054, USA  
+1 (408) 988-8848

<http://www.analogix.com/>

©2014 Analogix Semiconductor, Inc. All Rights reserved.

THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY EXPRESS REPRESENTATIONS OF WARRANTIES. IN ADDITION, ANALOGIX SEMICONDUCTOR INC. DISCLAIMS ALL IMPLIED REPRESENTATIONS AND WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

This document contains proprietary information of Analogix Semiconductor, Inc. or under license from third parties. No part of this document may be reproduced in any form or by any means or transferred to any third party without the prior written consent of Analogix Semiconductor, Inc.

The information contained in this document is not designed or intended for use in on-line control of aircraft, aircraft navigation or aircraft communications; or in the design, construction, operation or maintenance of any nuclear facility. Analogix disclaims any express or implied warranty of fitness for such uses.

Analogix Semiconductor, Inc., the Analogix Logo, and WideEye™ SerDes, SlimPort®, and CoolHD® are trademarks of Analogix Semiconductor, Inc., in the United States and other countries.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

DisplayPort and the DisplayPort logo are trademarks or registered trademarks of the Video Electronics Standards Association, VESA®.

USB and the USB logo are trademarks or registered trademarks of USB Implementers Forum, Inc., creators of USB technology.

All other trademarks and registered trademarks are the property of their respective owners.