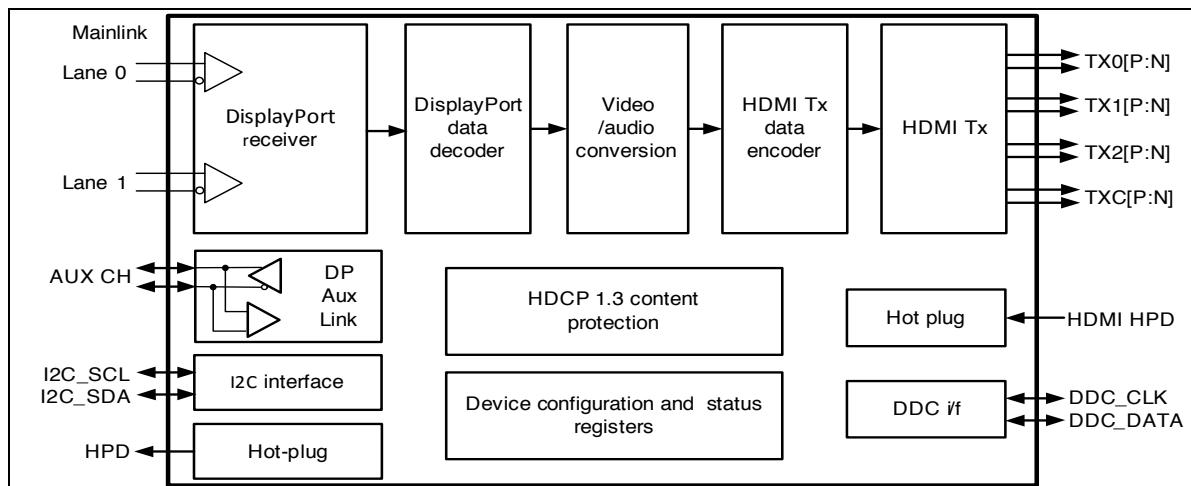


## DisplayPort™ to HDMI Converter

The ANX9830FH-CC is a low power DisplayPort to HDMI or DVI format converter designed for adapters. It provides a cost-effective method of connecting DP-enabled sources to HDMI-enabled displays. Supporting DP to HDMI audio conversion and HDCP, the ANX9830 also offers up to 10-bits per color and supports resolutions up to 1080p Full-HD and WUXGA.

### Features

- Output interface
  - HDMI 1.3a transmitter with HDCP 1.3
  - HDMI 1.2 and DVI 1.0 backward compatible
  - Supports up to 1080p and 1920x1200@60Hz
  - 6-bit, 8-bit, 10-bit per color RGB color format support
  - 8-bit, 10-bit YCrCb 4:4:4 and YCrCb 4:2:2 color format support
- Input interface
  - VESA compliant DisplayPort 1.1a receiver
  - Configurable 1 or 2 lane operation
  - 1.62/2.7 Gbps data rate support
  - AUX channel link up to 1Mbps bandwidth
  - Down spread spectrum (SSC) support
- Advanced WideEye™ SerDes technology capable of receiving data over long and/or low quality cables
- Integrated HDCP 1.3 encryption keys for DisplayPort and HDMI
- Support 2-channel to 8-channel audio
  - Uncompressed audio format including L-PCM supporting up to 24-bit per sample
  - Compressed audio format including AC-3 (Dolby digital) and DTS (digital theater system) support
  - Uncompressed audio with sample rates of 32, 44.1, 48, 88.2, 96, 176.4 to 192KHz
- Read sink device EDID on HDMI DDC through DisplayPort AUX channel
- 2KV ESD performance
- Application: adapters



## Related Products

Part Number	Description
ANX6470	DisplayPort to HDMI 1.4/VGA converter

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

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

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