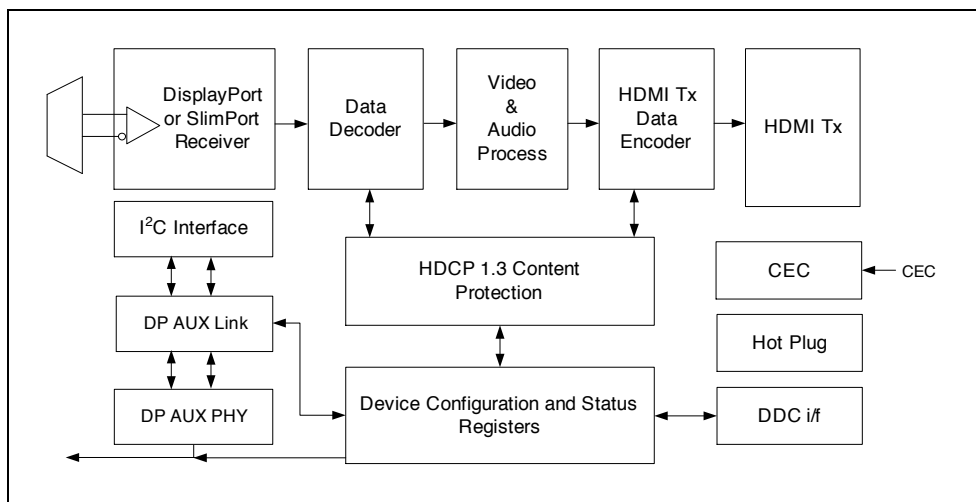


SlimPort® to HDMI® Converter

The ANX7730 is a ZERO source power consuming SlimPort to HDMI converter, which includes 3D display delivery capability. It is designed to interoperate with any MyDP or DisplayPort™ enabled transmitter in smartphones, tablets, Ultrabooks, sports cameras, camcorders, and set top boxes. The ANX7730 works in conjunction with MyDP/DisplayPort transmitters, such as the ANX7805 and ANX7808. The ANX7730 transforms the MyDP/DisplayPort output of a source device to HDMI or DVI output so that the device can connect to any high-definition TV, monitor, or projector.

Features

- Standard compliance
 - DisplayPort 1.2, MyDP 1.0, HDMI 1.4b
- HDMI transmitter
 - Compliant with HDMI 1.4b standard
 - Legacy HDMI 1.3, 1.2, and DVI 1.0 support
 - **CoolHD®** (power recovery and recycling) technology support
 - Max TMDS link rate up to 185 Mpixels/sec
 - Up to 30bpp color depth support in SlimPortmode
 - 3D video output support
 - Consumer Electronics Control (CEC) support
 - HDCP 1.3 content protection
- MyDP or DisplayPort input
 - DisplayPort 1.2 or MyDP 1.0 input
 - Configurable 1-lane input supports 5.4Gbps, 2.7Gbps, or 1.62Gbps data rates
- Advanced WideEye™ SerDes technology capable of receiving data over long and low quality cables
- Spread Spectrum Clocking support
- Stereo (3D) video input support
- Single wire AUXP (C-WIRE) sideband communication
- Integrated CEC Support
- HDCP 1.3 content protection
- System operation
 - Slave I²C device control interface
 - Built-in video test pattern generator
- Power requirements
 - ZERO source power consumption at 1080p60 or 3D
 - Single power supply: 2.3V
- Package offered: QFN: 56-pin, 8mm x 8mm, 0.5mm pin-pitch
- RoHS compliant and Halogen free package



Related Products

Part Number	Description
ANX7802	SlimPort Transmitter (HD, 1080p30) with HDMI input
ANX7805	SlimPort Transmitter (Full-HD, 1080p60) with RGB-24, MIPI-DSI, SPDIF, I ² S and SLIMbus inputs
ANX7808	SlimPort Transmitter with HDMI 1.4b (including 3D)input
ANX7812	SlimPort Transmitter (Full-HD, 1080p60) with HDMI input
ANX7814	SlimPort Transmitter (Full-HD, 1080p60) with HDMI input
ANX7816	SlimPort Transmitter (Ultra-HD, 4Kp60) with HDMI input
ANX7732	SlimPort to VGA (WUXGA, 1920x1080p60) converter
ANX7748	SlimPort to DisplayPort (WUXGA, 1920x1080p60) active lane converter

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3211 Scott Blvd., Suite 103
Santa Clara, CA 95054, USA
+1(408) 988-8848

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

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