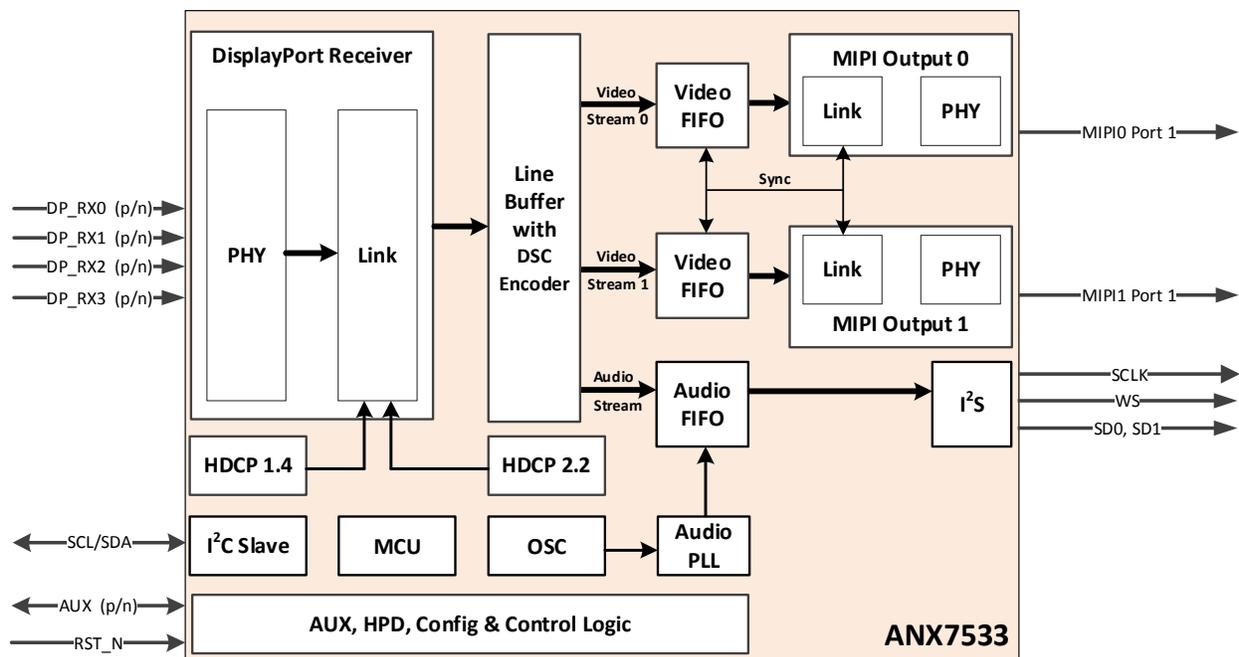


SlimPort® (4K Ultra-HD) Receiver

ANX7533 is a low-power 4K Ultra-HD (4096x2160p60) mobile HD receiver targeted primarily for Virtual Reality (VR) headsets. With a 4-lane DisplayPort1.4 input and dual MIPI outputs, ANX7533's feature set is optimized to meet the high performance requirements for current and next generation Head-Mounted Displays (HMD) for Augmented Reality (AR) and Virtual Reality. Moreover, with data rate support of up to 6.75Gbps on its DisplayPort input, ANX7533 is an ideal companion device for SlimPort transmitters currently implemented in many leading smart phones.

Features

- Standard compliance
 - DisplayPort1.4, HDCP2.2/1.4
 - MIPI-DSI 1.2 and D-PHY 1.1
- DisplayPort Receiver
 - DisplayPort1.4 receiver
 - Configurable 1, 2 or 4-lane input supports: HBR2.5 (6.75Gbps), HBR2 (5.4Gbps), HBR (2.7Gbps), and RBR (1.62Gbps) data rates
 - Horizontal left / right line splitting
 - 3D stereo modes
 - HDCP2.2 and HDCP1.4 support
- Resolution
 - DisplayPort Receiver Input Bandwidth supports up to 4K x 2K x 60Hz
- Dual MIPI DSI transmitter interface outputs
 - Single MIPI ports per display output
 - Display synchronization
 - 4-MIPI lanes total per MIPI interface output
 - MIPI-DSI data rates up to 1.5 Gbps per lane
- 3:1 DSC (VESA) on its MIPI Output Transmitters
- System operation and power supply
 - Slave I²C interface
 - 1.0V and 1.8V
- I²S Stereo Audio Output
 - 2-channels, 192Khz sample rate
 - Up to 8-channels TDM
- Package: 100-pin BGA, 5mm x 5mm



Related Products

Part Number	Description
ANX7530	SlimPort DisplayPort to Quad-MIPI converter without DSC on its MIPI Transmitters
ANX7580	SlimPort DisplayPort to Single-MIPI converter with 3:1 DSC on its MIPI Transmitter
ANX7688	SlimPort HDMI to USB Type-C Controller and Transmitter (Ultra-HD, 2160p60)
ANX7625	SlimPort MIPI-DSI to USB Type-C Controller and Transmitter (Ultra-HD, 2160p30)
ANX7805	SlimPort Transmitter (Full-HD, 1080p60) with RGB-24, MIPI-DSI, SPDIF, I ² S and SLIMbus inputs
ANX7816	SlimPort Transmitter (Ultra-HD, 2160p30) with HDMI input
ANX7747	SlimPort to VGA (WUXGA, 1920x1080p60) converter
ANX7738	SlimPort to HDMI 1.4b (Ultra-HD, 2160p30 and 3D) converter

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