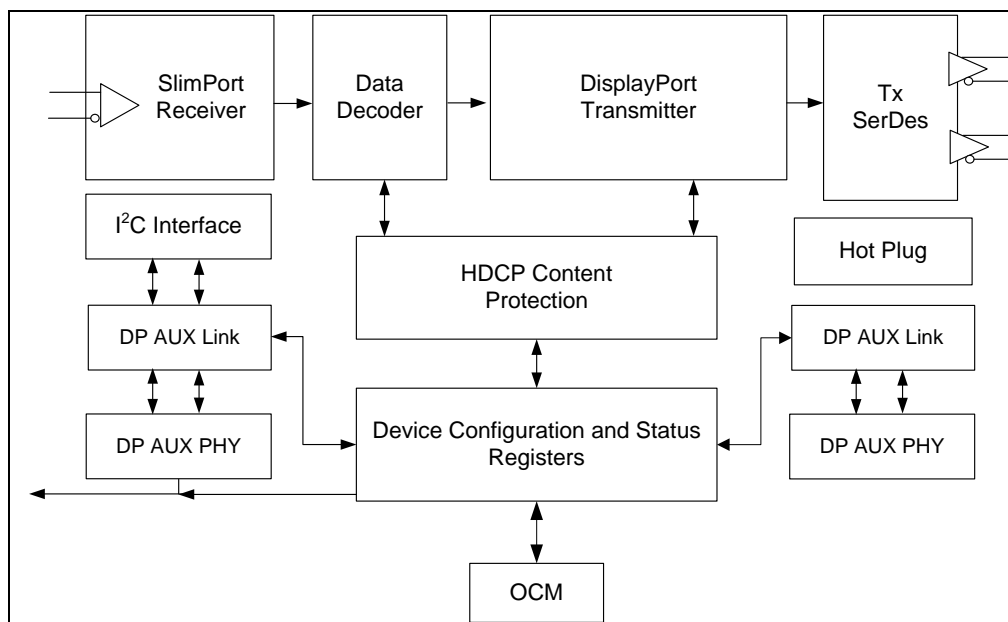


SlimPort® to DisplayPort™ (4K@30Hz) Converter

The ANX7750 is a SlimPort to DisplayPort lane converter. It takes a 1-lane SlimPort (@HBR2.5 rate) input and converts it to 4-lane DisplayPort (@HBR rate) output. ANX7750 works in conjunction with SlimPort transmitters, such as ANX7805, ANX7808, ANX7812, ANX7814, ANX7816, ANX7836, and more. ANX7750 is particularly suited for seamless plug-and-play to legacy DisplayPort (@HBR rate) HDTV, monitors, and projectors.

Features

- Standard compliance
 - DisplayPort, MyDP, HDCP
- SlimPort/MyDP/DisplayPort receiver
 - 1-lane high-speed differential input with configurable speed: HBR2.5, HBR2, HBR, or RBR
 - Video up to 4K@30Hz resolution
 - Spread Spectrum Clocking (SSC) support
 - Stereo (3D) video input support
 - Single wire AUXP (C-WIRE) sideband communication
 - HDCP content protection
- DisplayPort transmitter
 - 1-, 2-, or 4-lane high-speed differential output with configurable speed: HBR or RBR
 - Stereo (3D) video input support
 - HDCP content protection
- System operation
 - Integrated On-chip Microcontroller (OCM) for software free operation
 - Slave I²C device control interface
- Power requirements
 - 3.3V, 1.8V, and 1.0V
- Package offered: 88-QFN, 0.4mm pin pitch
- RoHS compliant and Halogen free package



SlimPort Family

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
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
ANX7730	SlimPort to HDMI 1.4b (Full-HD, 1080p60 and 3D) converter
ANX7732	SlimPort to VGA (WUXGA, 1920x1080p60) converter
ANX7738	SlimPort to HDMI 1.4b (Ultra-HD, 4Kp60 and 3D) converter

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