

Dual Mode DisplayPort™ Transmitter

Features

- Product Compliance
 - DisplayPort™ 1.1a with HDCP 1.3
 - HDMI™ 1.3 with HDCP 1.2
 - HDMI™ 1.2 and DVI 1.0 backward compatible
- Output Interface
 - Dual Mode: DisplayPort™ or HDMI™ output
 - 1/2/4 lane operation at up to HBR (2.7 Gbps/lane) and RBR (1.62 Gbps/Lane)
 - DisplayPort™ mode Spread Spectrum Clock (SSC) support
 - Support up to 2560 x 1600 (WQXGA) @60Hz with 30bpp color depth
 - YCbCr to RGB conversion supported
 - 4:4:4 and 4:2:2 data input formats supported
 - 18/24/30/36 bits per pixel video supported
 - Embedded audio supported
 - Fully integrated HDCP encryption for DisplayPort™ and HDMI™ modes
- Input Interface
 - 24-bit DVO/LVTTL flexible video input
 - SDR and DDR data modes supported
 - Deep color up to 36bpp in DDR supported
- Audio input interface
 - S/PDIF audio mode including two-channel uncompressed L-PCM and multi-channel compressed DTS supported
 - 32, 44.1, 48, 88.2, 96, 176.4 to 192KHz audio

- Fully integrated HDCP hardware and keys shared for DisplayPort™ and HDMI™ modes
- Built-in video pattern generator and audio tone generator for system self-test
- Power Management
 - 1.8V and 3.3V Power Supplies
 - Software controlled power management
- Package: 81-balls BGA

ANX9804 is a low power dual mode DVO/LVTTL to DisplayPort™/HDMI™ transmitter product designed for netbook, notebook, desktop PC, DTV boxes etc. Using proprietary circuit techniques, ANX9804 uses low power. With its low power consumption, it can fit into very small form factor devices that fit into modern lifestyle.

ANX9804, a first in its class product, can be used in conjunction with ANX9835 DisplayPort™ to DisplayPort™/HDMI™ replicator and ANX9815 DisplayPort™ Receiver to provide end-to-end interface connectivity.

Please refer to the part ordering information and related products information.

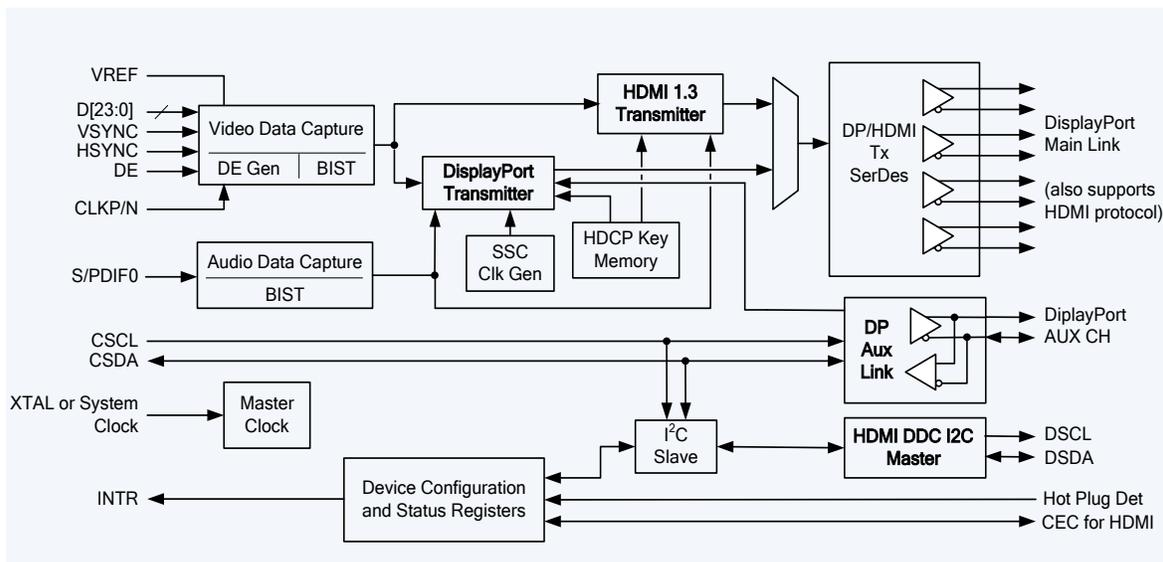


Figure 1: ANX9804 Block Diagram

Parts Ordering Information

Part No.	Description	Availability
ANX9804B	DVO/LVTTL(24-bit input) to DisplayPort™ 1.1a / HDMI™ 1.3 Transmitter 81 pin, 8 x 8 mm, BGA package	Now
ANX9804BH	DVO/LVTTL(24-bit input) to DisplayPort™ 1.1a / HDMI™ 1.3 Transmitter 81 pin, 8 x 8 mm, BGA package	Now
ANX9804Q	DVO/LVTTL(24-bit input) to DisplayPort™ 1.1a / HDMI™ 1.3 Transmitter 80 pin, 10 x 10 mm, ETQFP package	Now
ANX9804_EV	ANX9804 Evaluation Kit	Now

Related Products

Part No.	Description	Availability
ANX9835	DisplayPort™ to HDMI™/DisplayPort™ Replicator	Now
ANX9830	DisplayPort™ to HDMI™ Translator	Now
ANX9815	4-Lane DisplayPort™ Receiver	Now
ANX9841	4-Lane DisplayPort™ Receiver with Timing Controller	Now

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