

## Dual-mode DisplayPort™/HDMI™ Transmitter

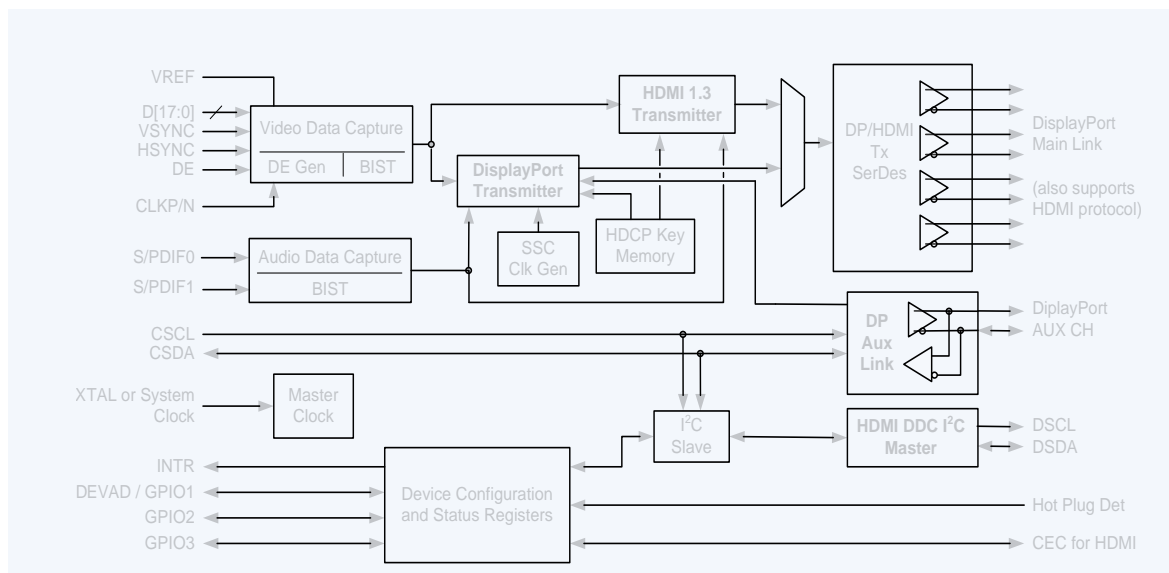
### Features

- 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 36bpp color depth
  - YCbCr to RGB conversion support
  - 4:4:4 and 4:2:2 data input formats support
  - 18/24/30/36 bits per pixel video support
  - Embedded audio support
  - Fully integrated HDCP encryption for DisplayPort™ and HDMI™ modes
- Input Interface
  - 18-bit DVO/LVTTL flexible video input
  - SDR and DDR data modes support
  - Deep color up to 36bpp in DDR support
- Audio input interface
  - S/PDIF audio mode including two-channel uncompressed L-PCM and multi-channel compressed DTS support
  - 32, 44.1, 48, 88.2, 96, 176.4 to 192KHz audio sampling rates support
- 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, 80-pin ETQFP

ANX9805 is a low power dual mode DVO or LVTTL to DisplayPort or HDMI transmitter product designed for netbook, notebook, desktop PC, DTV boxes etc. Using proprietary circuit techniques, ANX9805 consumes low power.

ANX9805, a first in its class product, can be used in conjunction with ANX9832 DisplayPort to VGA converter, ANX9830 DisplayPort to HDMI or DVI converter to provide end-to-end interface connectivity.

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



**Figure 1: ANX9805 Block Diagram**

## Parts Ordering Information

Part No.	Description	Availability
ANX9805VE	DVO/LVTTL(24-bit input) to DisplayPort™ 1.1a / HDMI™ 1.3 Transmitter 81 pin, 8 x 8 mm, BGA package	Now
ANX9805JE	DVO/LVTTL(24-bit input) to DisplayPort™ 1.1a / HDMI™ 1.3 Transmitter 80 pin, 10 x 10 mm, ETQFP package	Now
ANX9805_EV	ANX9805 Evaluation Kit	Now

## Related Products

Part No.	Description	Availability
ANX9830	DisplayPort™ 1.1a to HDMI™ 1.3 or DVI 1.0 Converter	Now
ANX9832	DisplayPort™ 1.1a to VGA Converter	Now

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