ANX6211 – DisplayPort™ 1.2 to VGA Converter

The ANX6211 is the lowest power, highest performing, DisplayPort to VGA converter at the lowest cost. Designed for use on PC motherboards, the ANX6211 is space, power, and performance optimized for the next generation of CPUs. Analogix's history of successful DisplayPort to VGA designs ensures compatibility with all existing VGA devices.

Features

VGA output
- Supports resolutions up to WQXGA (2560x1600 @60Hz, 24bpp)
- VGA output meets VESA VSIS v1r2 clock jitter specification
- VGA output pixel rate up to 270 MHz
- Low power standby mode with automatic monitor plug and unplug detect
- EDID and MCCS pass-through support
- Support for no-EDID monitors
- DDC speed control for use with longer VGA cables

DisplayPort input
- VESA compliant DisplayPort™ 1.2 receiver
- VESA compliant eDP v1.3 receiver
- 2 lane high speed differential input with configurable speed: 5.4Gbps, 2.7Gbps, or 1.62Gbps

Power Optimized for UltraBooks
- Under 350mW operation at WUXGA resolutions
- 15mW standby power
- DisplayPort HBR2 capability allows for single lane operation up to WUXGA. Saves 50mW of DP Tx power
- 3.3V and 1.05V power requirements easily found on next generation motherboards. No need for external regulators - saving power, space, and cost.

Other Features
- 27MHz crystal input (100ppm, single ended clock)
- Minimum BOM requirements
- Default settings changeable with I2C
- -10 to +75C operating temperature
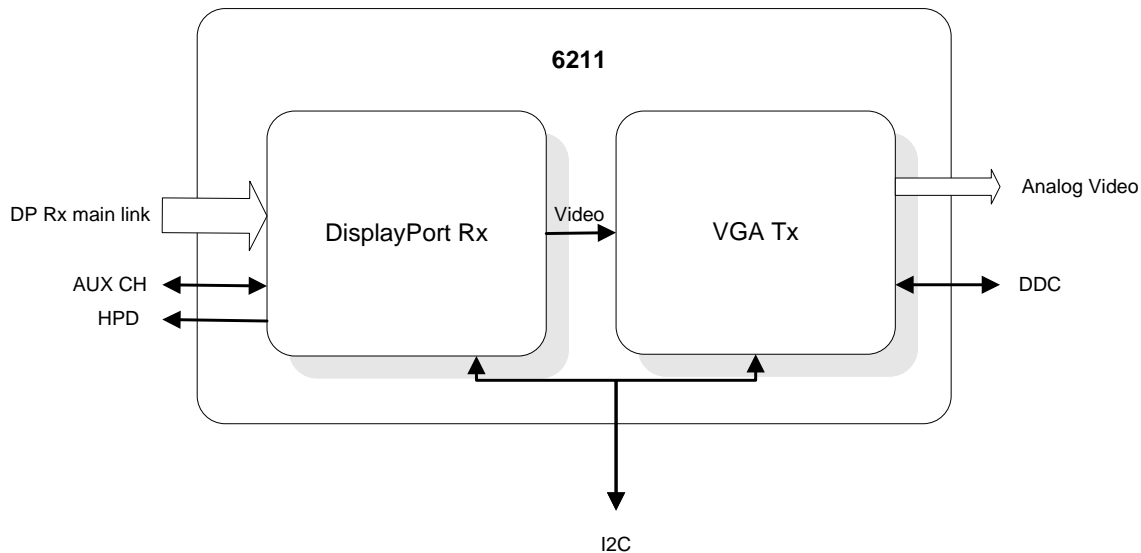- 7x7mm, 48 QFN (0.5mm pitch) package

Figure 1: ANX6211 Block Diagram

Ordering Information

Part No.	Description
ANX6211FN-AC-T	DisplayPort™ to VGA converter 48 pin, 7 x 7 mm, QFN package (Trays)
ANX6211FN-AC-R	DisplayPort™ to VGA converter 48 pin, 7 x 7 mm, QFN package (Tape and Reel)
ANX6211_EV	ANX6211 Evaluation Kit

Related Products

Part No.	Description
ANX1121	DisplayPort™ 1.1a to Single Channel LVDS Translator
ANX1122	DisplayPort™ 1.2 to Dual Channel LVDS Translator
ANX1123	DisplayPort™ 1.2 to Dual Channel LVDS Translator (30 bit color)
ANX6470	DisplayPort™ 1.2 Multi-Stream Hub with VGA, HDMI, and DP outputs
ANX6212	DisplayPort™ 1.2 to VGA converter with OCM

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