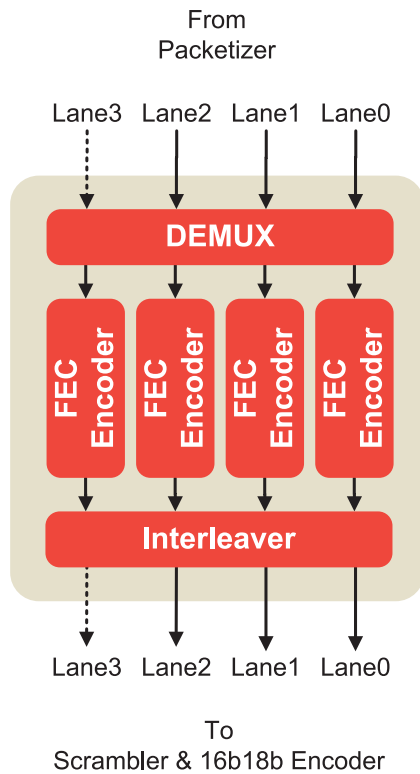


HDMI 2.1 FEC TX IP Core

Applications

- GPUs
- Desktops & laptops
- UHD TVs & set-top boxes
- Professional video equipment

Hardent HDMI 2.1 FEC TX IP



Description

The HDMI Forward Error Correction (FEC) Transmitter IP Core implements Reed-Solomon FEC and symbol mapping/interleaving as specified by the HDMI 2.1 specification.

Forward Error Correction is required to ensure glitch-free operation in Fix Rate Lane (FRL) mode, a packet mode introduced in HDMI 2.1. FRL allows for the use of Display Stream Compression (DSC) bitstream transport.

Key Features

- HDMI 2.1 compliant
- Reed-Solomon RS(255,251) FEC, 8-bit symbols
- Supports 3-lane and 4-lane operation

Deliverables

- Encrypted RTL source code IP core
- Functional and structural coverage reports
- Comprehensive integration guide
- Technical support and maintenance updates

Product Options

- IP customization and integration services available on request
- Multi-project licenses available
- UVM verification bindable modules