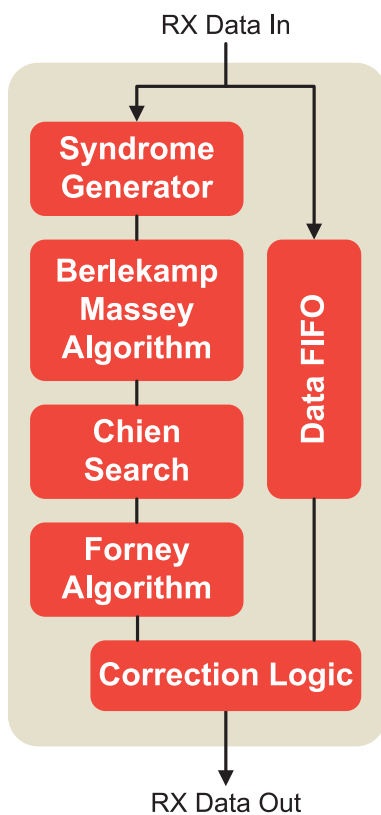# G.975/G.984 FEC RX IP Core

Applications

- Optical links
- Wide area networks
- Optical submarine cable systems
- FTTH
- GPON

Hardent ITU-T G.975 FEC RX IP

RX Data In

RX Data Out

Description

The ITU-TG.975 FEC Receiver IP Core implements Reed-Solomon FEC (Forward Error Correction) as specified by the ITU-T G.975 specification. The FEC also supports the ITU-T G.984.3 (GPON) specification.

Key Features

- ITU-T G.975 and G.984.3 compliant
- Reed-Solomon RS(255,239) FEC, 8-bit symbols
- Performance and statistics counters

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

Hardent's IP portfolio offers customers ready-made solutions to accelerate product development and meet demanding time-to-market schedules.

Developed by a team of experienced FPGA and ASIC designers, Hardent's IP cores have undergone extensive verification and offer proven interoperability and compatibility.