

100G/200G COHERENT OPTICAL TRANSCEIVER FRONTEND



AT A GLANCE

- Compact transceiver frontend based on CFP2-ACO modules for up to 32 GBd operation
- Transmitter includes linear driver amplifiers and DP-IQ modulator
- Receiver includes polarization-diverse 90° hybrid, balanced photo-diodes and linear TIAs

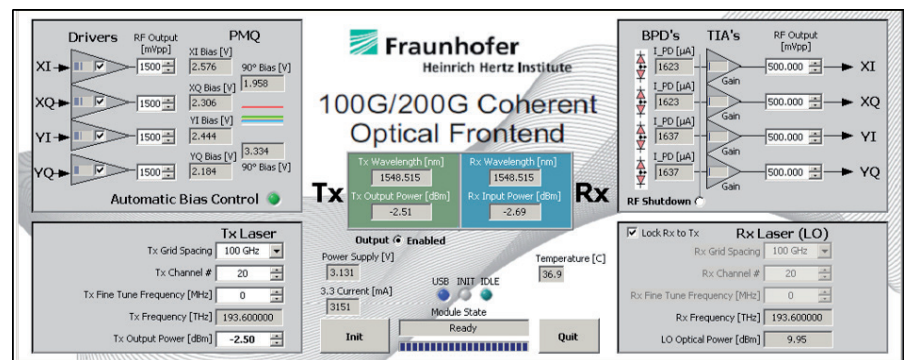
Features

- Compact stand-alone coherent optical transceiver frontend
- Tx and LO laser integrated
- Graphical use interface (GUI) for direct user control via USB
- GbE connection for external remote control
- Also available as MicroTCA plugin card

Applications

- High-speed optical QAM signal generation and detection
- Test of coherent optical transmission systems
- Optical front-end for High-Speed DSP Platform allowing real-time DSP prototyping

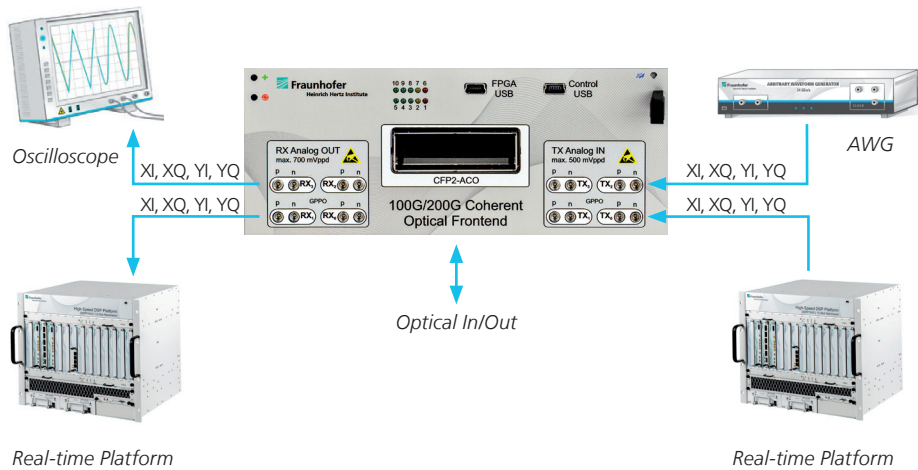
Graphical user interface



Application Examples

RECEIVER SIDE

TRANSMITTER SIDE



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Application examples:

- Offline system using arbitrary waveform generator and oscilloscope
- Real-time system using DAC and ADC plugin cards from High-Speed DSP Platform

