

Serial Front Panel Data Port (sFPDP) Products



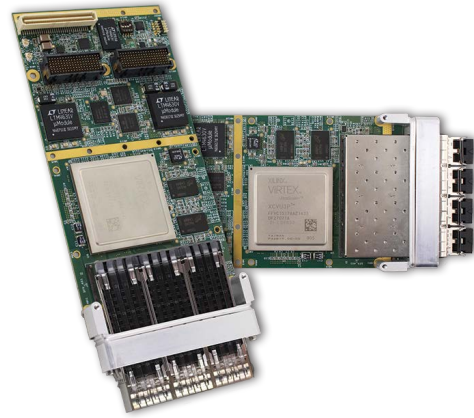
Overview

Serial Front Panel Data Port (sFPDP) is a high-speed, low-overhead, point-to-point communication protocol commonly used in data intensive processing applications such as Radar and Medical Imaging.

The core includes all functionality needed to meet the framing and signaling specification of sFPDP including: comma alignment, 8b/10b encode/decode, primitive decode, port state machine, CRC generation/checking, elastic FIFO, and phase FIFO.

Deliverables include the pre-programmed board, JTAG cable, tools and libraries for Linux, and user's documentation.

Want custom features added? No problem. New Wave DV gives you all netlist tools, source top level files, encrypted files, example instantiation of the core, testbench with stimulus/checking, and timing constraint files. In addition, our Professional Services engineers can be contracted to develop a product to your exact specifications.



Features

Two XMC adapters to choose from:

- V1151, with four 1/2/2.5/10Gb transceivers. Available in commercial or industrial temperature ranges. Conformal coating optional.
- V1152, with twelve 1/2/2.5/10Gb transceivers. Available in commercial or industrial temperature ranges. Conformal coating optional.

Xilinx Ultrascale+ Virtex VU3P

Ships programmed with sFPDP IP Core

Adheres to VITA 17.1-2015

Linux drivers included

For specific board hardware features, see V1151 or V1152 datasheets

For more information on the IP Core see the sFPDP datasheet

Applications

Radar, imaging, sonar interfaces

Digital signal processors

Medical imaging and diagnostics

Benefits

Accelerates FPGA application development time-to-market

Leverage proven technology for standard interface implementation

Lower development costs

Ordering Information

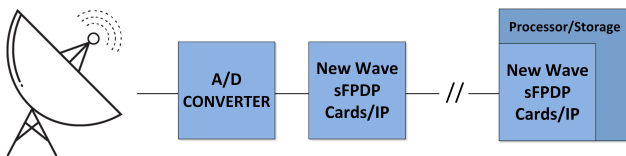
400-01151-02-17: V1151 Quad-Port sFPDP XMC FPGA Card, Xilinx Ultrascale+ V3UP, 16GB 64-bit DDR4 SDRAM, commercial temp, includes Ultrascale+ sFPDP Engine IP Core

400-01151-03-17: V1151 Quad-Port sFPDP XMC FPGA Card, Xilinx Ultrascale+ V3UP, 16GB 64-bit DDR4 SDRAM, industrial temp, includes Ultrascale+ sFPDP Engine IP Core

400-01152-02-17: V1152 12-Port sFPDP XMC FPGA Card, Xilinx Virtex UltraScale+ VU3P, 16GB 64-bit DDR4 SDRAM, commercial temp, includes sFPDP Engine IP Core

400-01152-03-17: V1152 12-Port sFPDP XMC FPGA Card, Xilinx Virtex UltraScale+ VU3P, 16GB 64-bit DDR4 SDRAM, industrial temp, includes sFPDP Engine IP Core

More options available upon request.



FOR MORE INFORMATION:

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