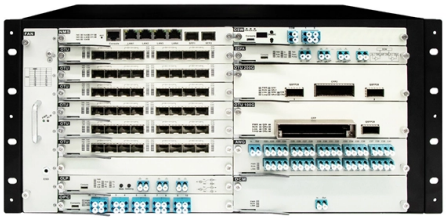
FC Fibre Channel IP Core



Overview

The Fibre Channel Upper Layer Protocol (FC-ULP) core provides a complete FC-4 layer hardware IP solution for the Fibre Channel Avionics Environment Remote Direct Memory Access (FC-AE-RDMA) and Fibre Channel Audio Video (FC-AV) protocols. The core includes all functionality needed to meet the framing and signaling specification of Fibre Channel including: comma alignment, 8b/10b encode/decode, primitive decode. The New Wave Design and Verification Fibre Channel (FC) Link Layer core provides a complete IP solution for FC Layer 1 and Layer 2. Fibre Channel is primarily used to connect computer data storage to servers in storage area networks (SAN) in commercial data centers. The FC core includes credit management features as well as the FC (old) Port State Machine for link initialization. 5 Mb), 2 Gbps (2125 Mb), 4 Gbps (4250. face to the core can be AXI or PCIe.

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Article Content

Fibre Channel

FC used throughout all applications for Fibre Channel infrastructure and devices, including edge and ISL interconnects. Each speed maintains backward compatibility at least two previous generations (I.e., ...

Fibre Channel Layers

It provides a standard set of services, known as application protocols, to upper layer protocols such as SCSI (Small Computer System Interface) and IP (Internet Protocol). These ...

Fibre Channel Link Layer Core IP Core

The New Wave Design and Verification Fibre Channel (FC) Link Layer core provides a complete IP solution for FC Layer 1 and Layer 2. The core includes all functionality needed to meet the framing ...

Fibre Channel Audio Video AV IP Core

Evaluation versions of the FC-AV IP core are available and New Wave DV has a set of standard form-factor boards featuring FPGAs, Fibre Channel optics, and off-the-shelf reference designs for quick ...

32G Fibre Channel (32GFC) Reed-Solomon Forward Error Correction ...

The LogiCORE™ 32G Fibre Channel (32GFC) RS-FEC IP core implements the Reed-Solomon Forward Error Correction (RS-FEC) sublayer as described in the INCITS Fibre Channel Framing and ...

FC Upper Layer Protocol (ULP) IP Core

The New Wave Design Fibre Channel Upper Layer Protocol core provides a complete FC-4 layer hardware IP solution for the FC-AE-RDMA and FC-AV protocols.

FC Block | Link Layer IP Core | New Wave Design

The New Wave Design Fibre Channel (FC) Link Layer core provides a complete IP solution for FC-1 and FC-2 layers.

Fibre Channel Link Layer IP Core

The New Wave Design and Verification Fibre Channel (FC) Link Layer core provides a complete IP solution for FC Layer 1 and Layer 2.

Fibre Channel

Our proprietary Fibre Channel and FC-ASM NIC modules are based on an FPGA-based architecture with all protocol engines implemented utilizing AIT Intellectual Property (IP).

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FC Upper Layer Protocol (ULP) IP Core

The Fibre Channel Upper Layer Protocol (FC-ULP) core provides a complete FC-4 layer hardware IP solution for the Fibre Channel Avionics Environment Remote Direct Memory Access (FC ...

Fibre Channel over IP

FCIP technology overcomes the distance limitations of native Fibre Channel, enabling geographically distributed storage area networks to be connected using existing IP infrastructure, while keeping ...

Xilinx DS270 LogiCORE IP Fibre Channel v3.5, Data Sheet

The LogiCORETM IP Fibre Channel (FC) core provides a flexible core for use in any non-loop FC port and can run at 1, 2, and 4 Gbps. The FC core includes credit management features as well as the FC ...

Contact Us

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