

SimWire is designed for generating and monitoring data traffic over SpaceWire links:

- *Receiving data transiting over multiple communication ports in parallel,*
- *Testing and debugging SpaceWire communication protocols,*
- *Emulating SpaceWire communication channels at speeds up to 225Mbps,*
- *Simulation of SpaceWire failure modes (errors generation).*

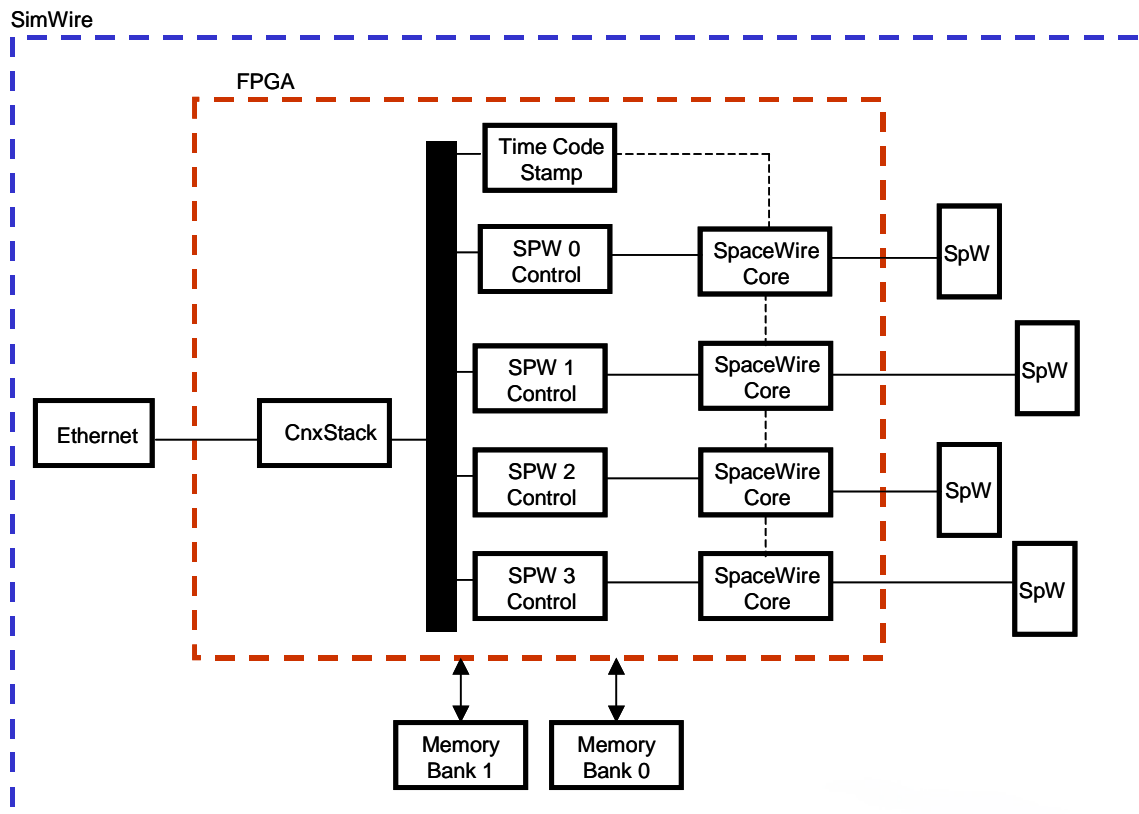
Features

Support for up to 4 SpaceWire interfaces
Speed link: from 2Mbps up to 225Mbps
Data strobe encoding / decoding
SpaceWire error generator
Hardware data scheduling
Host communication via Ethernet UDP/IP protocol

Applications

- ESA, NASA and JAXA applications
- Satellite test and integration
- ECSS-E-50-12A SpaceWire protocol compliant
- Industrial equipments in aluminium case
- Also available with PCIe interface and form factor

Block diagram architecture



Software environments

- Drivers and Application Programming Interface for Windows and Linux OS
- Demonstration software for Windows and Linux OS
- All datasheets and documentations

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