

RG500 Flexible SpaceWire Router (FSR) Product Brief



Product Overview

The 4Links RG500 Flexible SpaceWire Router (FSR) is a next-generation SpaceWire router for laboratory use. It supports up to 12 SpaceWire links. The system is managed either via a dedicated rear-panel Ethernet connection or through the integrated front-panel touchscreen. Gigabit Ethernet SFP+ interfaces enable the configuration of the routing tables held on the device as well as returning router status.

Up to 12 ports SpaceWire
Router

Timecode forwarding

Built for control, reliability
& scalability

Key Features

- Capable of routing up to 12 SpaceWire ports simultaneously
- Throughput up to 400 Mbit/s on each link
- SMA ports for traffic management
- Optional Output Control (OE/OD) for SpaceWire lockout

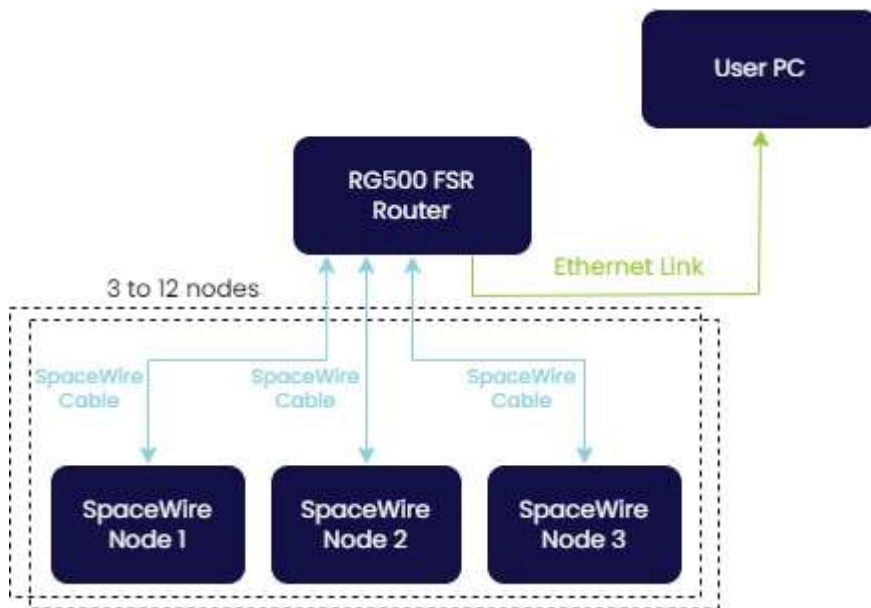
Key Applications

- System integration testing
- SpaceWire router test and debug
- Management of lab-based SpaceWire networks

Technical Specification

Form Factor	19 inch rack mount
Height	1U
Management Ethernet Interface	100 Mbit/s
Supported Management Protocols	SNMP, TFTP, UDP
Router Management Interface	1x SFP+ Port (Gigabit Ethernet)
Application Data Protocols	1x TCP (4Links Application Protocol)
User Interface	Touch screen (480 x 118), USB 2.0
Number of SpaceWire Ports	Up to 12
Maximum SpaceWire Link Speed	400 Mb/s
Power Supply	12v 5A DC (Included)
Export Classification	EAR-99 TAA Compliant

Typical Application Diagram



Software and Accessories Included

- 1x RJ45 SFP module
- 1x SpaceWire loopback connector
- Power supply
- Mains power lead

Get in touch

All enquiries, please contact us at sales@4links.space

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