

...designed for perfect signals

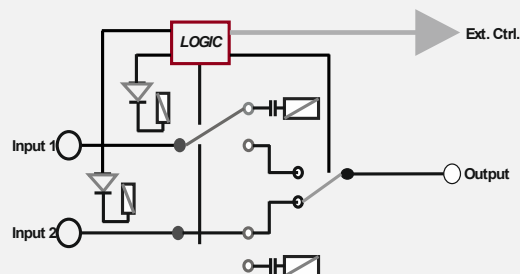
Single & Quad Broadband Redundancy Switches

The FlexLink RSC201 series represents professional 2:1 redundancy switches in 1RU/19" rack mount design operating at a broadband frequency range of 5 – 2500MHz. The units are available as single (1 x 2:1) and quad (4 x 2:1) redundancy switches.

The FlexLink RSC201 2:1 redundancy switch's output port can be switched to one input port manually or automatically while all input signals are individually monitored considering the predefined threshold level. The units provide alarming and also controls the switching independently. The unit is designed to allow redundancy switching between an active unit to a back-up unit so to assure permanent and stable RF signal availability.

The FlexLink RSC201 also features 1:1 redundant dual power supply, a front-panel status LED and LC-Display/keypads for user-friendly local configuration. Remote access and configuration can be done via a rear side Ethernet-Interface (WebGUI/SNMP) while it can also be integrated into a third party management and control system (NMS or M&C) via SNMP.

This FlexLink RSC201 redundancy switches are perfectly suited for integration in Teleports, Satellite Earth-Stations as well as Broadcasting and Cable/IPTV headend architectures providing excellent and stable performance during operation while highest RF performance is assured.



FEATURES & BENEFITS

- ▶ Broadband frequency range 5 – 2500MHz
- ▶ Available as single (1 x 2:1) and quad (4 x 2:1) redundancy switches in 1RU/19"
- ▶ Autonomous manual and automatic redundancy switching
- ▶ RF power monitoring & Threshold level control @ all inputs
- ▶ Remote and front-panel alarm monitoring/control
- ▶ Various beneficial Options
 - ▶ RC Option: Remote sense alarm interface input DB9 (only Single Unit)
 - ▶ ARS Option: Auto reverse/fallback switching function (manually & automatically)

- ▶ 1:1 redundant dual power supply
- ▶ Front-panel status LED
- ▶ Local configuration & monitoring via front-panel LC-Display/keypads
- ▶ Remote configuration & monitoring via rear-panel Ethernet-Interface (WebGUI, SNMP), RS232*

*upon request only

TECHNICAL SPECIFICATIONS

Dimensions:	1RU/19" rack mount, 400mm deep
Power Supply:	85 – 230V, 50/60Hz, 1:1 redundant
Power Consumption:	<10W
Frequency Range:	5 – 2500MHz
Frequency Response:	±0,2dB @ 70MHz, ±0,5dB max. @ Extended L-Band, ± 0,75dB @ Full Band***
Switching Configuration:	Autonomous switching, manually or automatically
Switching Cycles:	10E6 min.
Switching Type:	Solid state
Impedance/Connectors:	50Ohm SMA(f) or 75Ohm F(f) or 75Ohm BNC(f)
Insertion Loss:	3.0dB max. @ 2,5GHz
Nominal Power:	20dBm
I/O Return Loss:	14dB min.
Isolation:	60 dB @ 2GHz
Damage Level:	+30dBm
RF Power Monitoring:	-40dBm to +10dBm dynamic range, threshold level control f. automatic switching
Alarming/Monitoring:	Remote & front-panel alarm, monitoring & control
Local Control:	LC-Display/keypads, Status LED
Remote Control:	Ethernet-Interface (WebGUI, SNMPv2c); RS232 interface
Operating Temperature:	0°C to 45°C
Storage Temperature:	-10°C to 65°C
Humidity:	90%, non-condensing
RoHS:	Compliant

*** BNC 50 and 75Oh, performance degradation by additional 1dB

ORDER INFORMATION

Type	Type No.:	Short Description	I/O Connectors
FlexLink RSC201-1-50S	9000400	Broadband Single Redundancy Switch unit, 1 x 2:1 rear-side, 5 – 2500MHz, 1RU/19" rack mount, 1:1 redundant PSU, Status LED's, Ethernet (WebGUI, SNMP)	50Ohm SMA(f)
FlexLink RSC201-1-50B	on request		50Ohm BNC(f)
FlexLink RSC201-1-75F	9000894		75Ohm F(f)
FlexLink RSC201-1-75B	9001044		75Ohm BNC(f)
FlexLink RSC201-4-50S	9000668	Broadband Quad Redundancy Switch unit, 4 x 2:1 rear-side, 5 – 2500MHz, 1RU/19" rack mount, 1:1 redundant PSU, Status LED's, Ethernet (WebGUI, SNMP)	50Ohm SMA(f)
FlexLink RSC201-4-50B	on request		50Ohm BNC(f)
FlexLink RSC201-4-75F	9000892		75Ohm F(f)
FlexLink RSC201-4-75B	on request		75Ohm BNC(f)

OPTIONS

Type	Type No.:	Short Description
FlexLink RSC201-RC Option	9000898	Remote Sense Input DB9(f), rear-panel, for redundancy switching controlled by external devices. Available only for RSC201 50/75Ohm 1-way
FlexLink RSC201-ARS-Option	9000925	Auto reverse/fallback switching function, manually & automatically (not in combination with RC-Option)