



FlexLink S2A

8:24 L-Band Switch-Matrix

Made
in
Germany

GENERAL

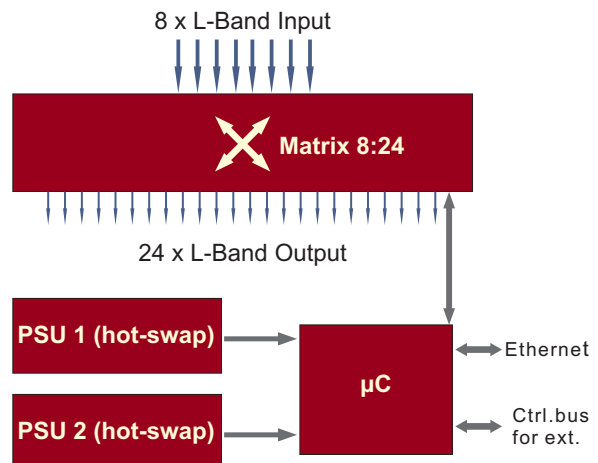
The FlexLink S2A in 1RU/19" rack-mount design represents a 8:24 L-Band Switch-Matrix. This unit features an efficient, reliable and space saving solution for today's and future L-Band signal management applications and allows to switch/route up to 8 independent L-Band signals to up to 24 outputs without limitations and interferences (any input can be routed to one or all outputs) while all combinations of in- and outputs are freely configurable locally and remotely. The FlexLink S2A is an ideal platform for flexible assignment of L-Band signals and perfectly suited for integration in Teleports, Satellite Earth-Station, Up- and downlink facilities as well as Broadcasting and CATV/IPTV architectures. The unit features RF input signal monitoring, RF power detection, 1:1 power-supply redundancy (hot-swappable) and LNB-supply assuring excellent and stable performance during operation with superior RF performance and signal quality: The FlexLink S2A is equipped with a front-side LC-Display and keypads for user-friendly local configuration. Remote access and configuration can be done via its rear-side ethernet-interface (http/WEB-GUI, SNMP) while it can also be integrated into a management and control system via SNMP.



FEATURES

- Space saving 1RU/19" rack-mount design
- Low power-consumption and heat generation
- 8:24 switching/routing configuration
- 8 L-Band inputs / 24 L-Band outputs with 50Ohm SMA(f) or 75Ohm F(f) connectors
- In- and output combinations freely configurable
- No routing limitations
- 0dB-concept: RF input level = RF output level
- RF Input signal monitoring
- RF power detection
 - 60dB dynamic range/every input
 - Programmable alarm window
- Port matching, all ports 16dB typ.
- Superior RF performance and stability
- LNB supply 13/15/18V, 22kHz
- LNB supply monitoring 400mA
- 1:1 redundant power supply (hot swappable)
- Front side LCD & keypads for local control
- Remote control via Ethernet-interface (http/SNMPv2c)
- Admin. & User login protection

BLOCK DIAGRAM



ORDER INFORMATION

- **FlexLink S2A-50:** 8:24 L-Band Switch-Matrix, 50 Ohm SMA(f)
- **FlexLink S2A-75:** 8:24 L-Band Switch-Matrix, 75 Ohm F(f)



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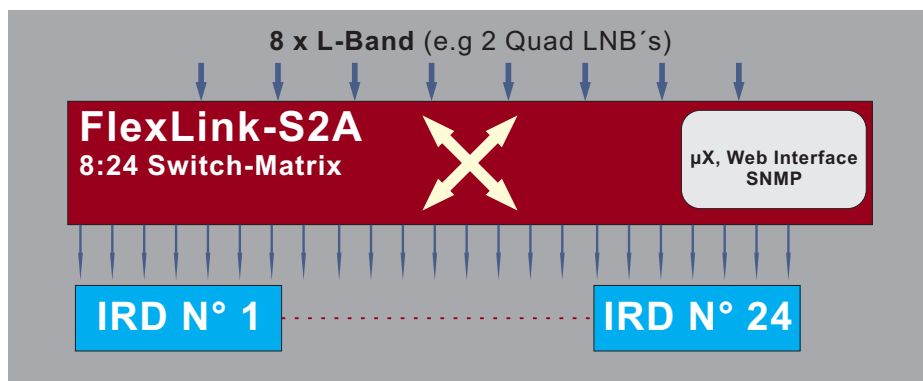
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TECHNICAL SPECIFICATIONS

➤ Dimensions/unit:	1RU/19" rack-mount
➤ Weight/unit:	approx. 6 kg
➤ Power-supply:	85...230V, 50/60Hz 1:1 redundant (hot-swappable)
➤ Power-consumption:	<22W (without LNB-supply)
➤ Frequency range:	950MHz ... 2150MHz
➤ L-Band Inputs:	8
➤ L-Band Outputs:	24
➤ Impedance (IN/OUT):	75Ohm F(f) or 50Ohm SMA(f) * see order-information on page 1
➤ RF Input power:	-10dBm, 0dBm max.
➤ Input level control:	Monitoring threshold adjustm.
➤ Return loss:	15dB typ.
➤ Isolation	≥50dB (Input-to-Input, Input-to-Output, Output-to-Output)
➤ Noise:	≤6dB in unit
➤ Insertion loss:	0 dB typ., ±1dB max.

➤ Output P1dB:	≥0dBm
➤ Frequency response:	< ±1.5dB typ.
➤ IMA3 @ -10dBm:	< -50dBc
➤ RF power detector:	- 60dB dynamic range (every input) - Config. alarm window
➤ LNB supply:	13V/18V/22kHz max. 400mA/input
➤ Local control:	LC-Display, keypads
➤ Remote control:	Ehternet-Interface 100Mbit WEB-GUI (http/SNMPv2c)
➤ Environmental:	ETSI En300, Part 1-3, Class 3.1
➤ EMC / Safety:	EN 50083-2 / EN 60950-1
➤ Operating temperature:	0...45°
➤ Storage temperature:	-20...70°C
➤ Humidity:	90% non condensing
➤ RoHS:	Compliant

APPLICATION EXAMPLE



FlexLink S2A 8:24 Switch Matrix