

FlexLink S2B

L-Band Switch Matrix 8:24 (fan-out/distributive)

The FlexLink S2B 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 unit additionally features variable gain-control, slope equalization, switchable LNB-supply, RF power monitoring, Threshold monitoring/alarming, a 10MHz external reference signal input and 1:1 redundant dual power-supply. Isolation, linearity and frequency response values are at the highest level assuring excellent and stable operation with superior RF performance and signal quality.

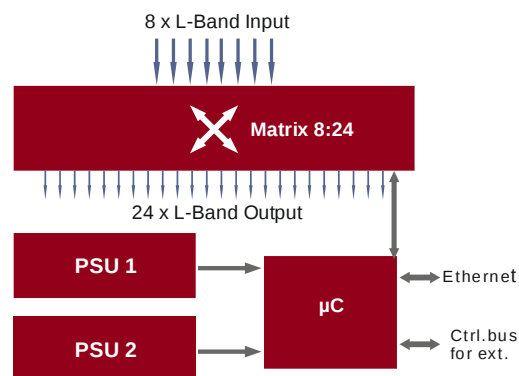
The FlexLink S2B is equipped with a front-side LC-Display and keypads for user-friendly local configuration. Remote configuration can be done via its rear-side Ethernet-Interface or RS232-interface (http/WebGUI, SNMP) while it can also be integrated into a management and control system (NMS or M&C) via SNMP.

The FlexLink S2B is an ideal platform for flexible signal switching/routing applications and perfectly suited for integration into Teleports, Satellite Earth-Stations as well as Broadcasting and CATV/IPTV headend architectures.



FEATURES & BENEFITS

- Space saving 1RU/19" modular design
- Professional switching solution with 8:24 I/O configuration
- Available with 50Ohm or 75Ohm connectors
- In- and output configurations freely configurable
- Variable gain adjustment (@ any input)
- L-Band Slope equalization 0...9dB (@ any input)
- RF power monitoring (@ any input)
- Threshold monitoring/alarming
- Switchable LNB supply 13/15/18V, 22kHz (@ any input) 390mA current monitoring, 400mA alarm shutdown
- Features 10MHz external reference input (@ any input)
- Front side LC-Display & keypads for local configuration
- Front side Ethernet-Interface for remote configuration (http/WebGUI, SNMPv2c)
- Low power-consumption & heat generation
- Superior RF performance, signal quality and stability
- Admin & User login protection
- 1:1 redundant dual power supply



ORDER INFORMATION

Type	Short Description	I/O connectors
FlexLink S2B-50S	8:24 Switch Matrix, extended L-Band	50Ohm SMA(f)
FlexLink S2B-75F	8:24 Switch Matrix, extended L-Band	75Ohm F(f)

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TECHNICAL SPECIFICATIONS

➤ Dimensions:	1RU/19" rack-mount
➤ Weight:	approx. 6kgs.
➤ Switch matrix type:	Fan-out/distributive
➤ Switching Configuration:	8:24 I/O's
➤ Power supply:	85...230V, 50/60Hz (1:1 redundant, hot swappable)
➤ Power consumption	<22W (without LNB-supply activated)
➤ Frequency range:	L-Band 950 – 2150MHz
➤ I/O connectors:	50Ohm SMA(f), 50Ohm BNC(f), 75Ohm F(f), 75Ohm BNC(f)
➤ 10MHz ref. external input:	50Ohm SMA(f), rear side
➤ Variable gain control:	0dB...12dB, 1dB steps (@any input)
➤ Slope equalization**:	0...9dB, 1dB steps (@any input)**
➤ RF Input power:	-10dBm, 0dBm max.*
➤ Output IP1:	+6dBm*
➤ Max. RF output power:	+6dBm*
➤ Input/Output Return loss:	14dB typ.*
➤ Isolation:	≥50dB typ.*
➤ Noise figure:	≥6dB
➤ Frequency response:	± 1dB typ. ± 2dB max.
➤ RF power monitoring:	60dB dynamic range (@ any input)
➤ Input level control:	Monitoring threshold adjustment/alarming
➤ IMA3 @ -10dBm:	> -50dBc*
➤ Switchable LNB-supply:	13/15/18V/22kHz, 390mA, 400mA max. (@ any input)
➤ Local configuration:	LC-Display/keypads
➤ Remote configuration:	RJ45 100Mbit Ethernet-Interface (WebGUI, SNMPv2c)
➤ Environmental:	ETSI En300, Part 1-3, Class 3.1
➤ EMC / Safety:	EN 50083-2 / EN 60950-10°C...45°C
➤ Operating temperature:	0°C...45°C
➤ Storage temperature:	-10°C...65°C
➤ Humidity:	90%, non-condensing
➤ RoHS:	Compliant

APPLICATION EXAMPLE

