

...designed for perfect signals

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

The FlexLink S2E in 1RU/19" rack mount design represents a 8:24 Ext. L-Band Switch Matrix. This unit features an efficient, reliable and space saving solution for today's and future Ext. L-Band signal management applications and allows to switch/route up to 8 independent Ext. 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 S2E 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 (WebGUI, SNMP) while it can also be integrated into a management and control system (NMS or M&C) via SNMP.

The FlexLink S2E 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 rack mount 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 to 7dB (@ any input)
- ▶ RF power monitoring (@ any input)
- ▶ Switchable LNB supply 13/15/18V, 22kHz (@ any input)
- ▶ 390mA current monitoring, 400mA alarm shutdown

- ▶ Threshold monitoring/alarming
- ▶ Features 10MHz external reference input (@ any input)
- ▶ Front side LC-Display & keypads for local configuration
- ▶ Front side Ethernet-Interface for remote configuration (WebGUI, SNMP)
- ▶ Low power-consumption & heat generation
- ▶ Superior RF performance, signal quality and stability
- ▶ Admin & User login protection
- ▶ 1:1 redundant dual power supply



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 850 – 2450MHz
Input / Output Connectors:	50Ohm SMA(f), 50Ohm BNC(f)*, 75Ohm F(f), 75Ohm BNC(f)*
10MHz External Input:	50Ohm SMA(f), rear side
Variable Gain Control:	0dB to 10dB, 1dB steps (@any input)
Slope Equalization:	0 to 7dB, 1dB steps (@any input)
RF Input Power:	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. ± 1,5dB max.
RF Power Monitoring:	60dB dynamic range (@ any input)
Input Level Control:	Monitoring threshold adjustment/alarming
IMA3 @ -10dBm:	> -46dBc
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 to 45°C
Operating Temperature:	0°C to 45°C
Storage Temperature:	-10°C to 65°C
Humidity:	90%, non-condensing
RoHS:	Compliant
MTBF:	2000K hrs min. MIL-HDBK-217F (25°C)

* upon request only

ORDER INFORMATION

Type	Type Nr.:	Short Description	I/O connectors
FlexLink S2E-824-EL-50S	9001338	8:24 Switch Matrix, extended L-Band	50Ohm SMA(f)
FlexLink S2E-824-EL-75F	9001383	8:24 Switch Matrix, extended L-Band	75Ohm F(f)