

...designed for perfect signals

Extended L-Band Switch Matrix 8:8 (fan-in/combining)

The FlexLink S9E-88C is a professional full fan-in/combining Switch Matrix in 1RU/19" rack mount design supporting L-Band and extended L-Band frequency range (850 – 2450MHz).

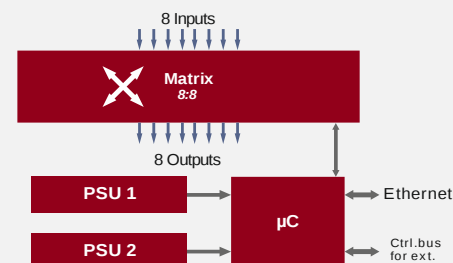
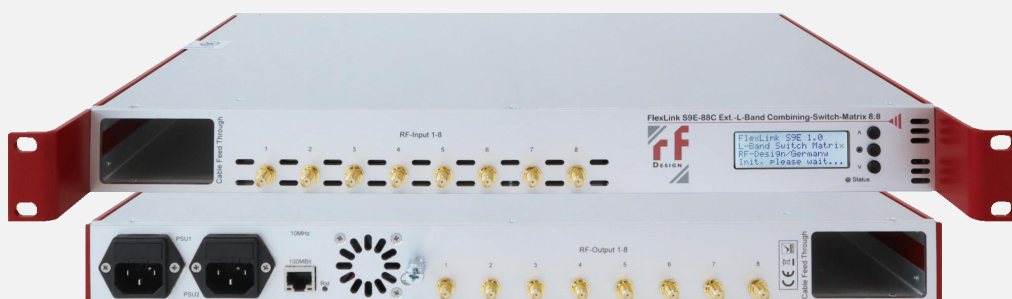
The unit allows switching/routing in an 8:8 configuration where several selected or all inputs can be switched/routed to one selected output (fan-in/combining).

It features an efficient, flexible and reliable solution for today's and future signal management and comes with beneficial features such as variable gain control, RF power monitoring, Threshold monitoring/alarming, as well as 1:1 redundant dual power supply.

The FlexLink S9E-88C has a LC-Display & keypads for user-friendly local configuration. Remote configuration and monitoring can be done via its Ethernet Interface (WebGUI, SNMP) while it can also be integrated into a management and control system (NMS or M&C) via SNMP.

Isolation, linearity and frequency response are at the highest level assuring excellent and stable operation with superior RF performance and signal quality.

The FlexLink S9E-88C Switch Matrix is designed for today's and future signal management requirements e.g. in Satellite uplink operations providing maximum flexibility as well as a space and cost efficient solutions.



FEATURES & BENEFITS

- ▶ Space saving 1RU/19" modular rack mount design
- ▶ Extended L-Band frequency range 850 – 2450MHz
- ▶ Professional switching solution with 8:8 I/O configuration
- ▶ Available with 50Ohm I/O connectors*
- ▶ Variable gain control (@ any output)
- ▶ RF power monitoring

- ▶ Threshold monitoring and alarming
- ▶ Local configuration via front panel LC-D/keypads
- ▶ Remote configuration via Ethernet-Interface (WebGUI, SNMP)
- ▶ Low power consumption & heat generation
- ▶ Superior RF performance, signal quality & stability
- ▶ 1:1 redundant dual power supply

**other connectors upon request*

TECHNICAL SPECIFICATIONS

Dimensions:	1RU/19" rack mount 400mm deep; approx. 7kgs.
Switch Matrix Type:	Fan-in/combining
Switching Configuration:	8:8
Power Supply:	90 – 264V, 50/60Hz, 1:1 redundant
Power Consumption:	<25W
Frequency Range:	950 – 2150MHz (L-Band) / 850 – 2450MHz (extended L-Band)
Input/Output Connectors:	50Ohm SMA(f) *other connectors upon request
Variable Gain Control:	0dB to 10dB, 1dB steps
RF Input Power:	+16dBm max.
Output IP1:	+15dBm
RF Output Power:	+10dBm max.
Input / Output Return Loss:	14dB typ.
Isolation:	Input/Input ≥60dB Output/Output ≥60dB Input/Output ≥60dB
Noise Figure:	≤12dB
Frequency Response:	± 1,5dB max. in L-Band / ± 3dB max. in extended L-Band
Output Level Control:	Monitoring threshold adjustment/alarming
IMA3 @ -10dBm:	-60dBc typ.
RF Power Monitoring:	60dB dynamic range (@ any output)
Local Configuration:	LC-Display/keypads
Remote Configuration:	100Mbit Ethernet-Interface (WebGUI, SNMPv2c)
Environmental:	ETSI En300, Part 1-3, Class 3.1
EMC/Safety:	EN 50083-2 / EN 60950
Operating Temperature:	-20°C to 50°C
Storage Temperature:	-30°C to 75°C
MTBF:	2000K hrs min. MIL-HDBK-217F (25°C)
Humidity:	95%, non-condensing
RoHS:	Compliant

*other connectors upon request

ORDER INFORMATION

Type	Type No.:	Short Description	I/O Connectors
FlexLink S9E-88C-50S	9001188	L-Band Switch Matrix 8:8 (fan-in/combining), 50Ohm SMA(f), variable gain, RF power monitoring, 1:1 redundant power supply, 1RU/19" rack mount	50Ohm SMA(f)