



# FlexLink S9E-1608C

...designed for perfect signals



## Extended L-Band Switch Matrix 16:8 (fan-in/combining)

The FlexLink S9E-1608C is a professional full fan-in/combining L-Band Switch Matrix in 1RU/19" rack mount design supporting L-Band and Extended L-Band frequency range (850 – 2450MHz), useable for standard L-Band, KA-Band and HTS applications.

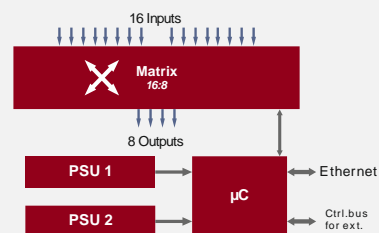
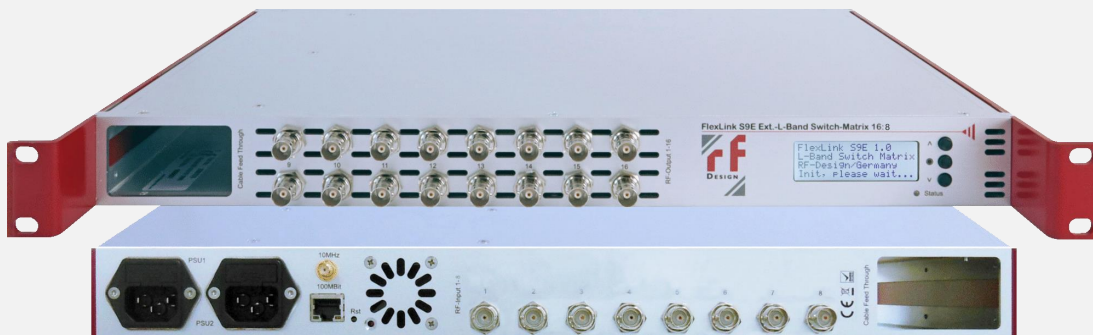
The unit is designed to allow switching/routing in a 16:8 configuration where several selected or all inputs can be switched/routed to one selected output (fan-in/combining).

It features an efficient, flexible and reliable solution for today's and future L-Band 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-1608C 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-168C 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.



Example picture, may vary from its original version

### FEATURES & BENEFITS

- ▶ Space saving 1RU/19" modular rack mount design
- ▶ Extended L-Band frequency range 850 – 2450MHz
- ▶ Professional switching solution with 16:8 I/O config.
- ▶ 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

<b>Dimensions:</b>	1RU/19" rack mount 400mm deep; weight approx. 7kgs.
<b>Switch Matrix Type:</b>	Fan-in/combining
<b>Switching Configuration:</b>	16:8
<b>Power Supply:</b>	85 – 265V, 50/60Hz, 1:1 redundant
<b>Power Consumption:</b>	<25W
<b>Frequency Range:</b>	950 – 2150MHz (L-Band) / 850 – 2450MHz (extended L-Band)
<b>Input/Output Connectors:</b>	50Ohm SMA(f) *other connectors upon request
<b>Variable Gain Control:</b>	0dB to 10dB, 1dB steps
<b>RF Input Power:</b>	-10dBm, 6dBm max.
<b>Output IP1:</b>	0dBm
<b>Max. RF Output Power:</b>	+5dBm
<b>Input / Output Return Loss:</b>	Input 12dB typ. , Output 15dB typ.
<b>Isolation:</b>	Input/Input ≥60dB – Output/Output ≥60dB – Input/Output ≥60dB
<b>Noise Figure:</b>	20dB typ. in unit @ full gain
<b>Frequency Response:</b>	± 1,5dB max. in L-Band / ± 3dB max. in extended L-Band*
<b>Output Level Control:</b>	Monitoring threshold adjustment/alarming
<b>IMA3 @ -10dBm:</b>	> -50dBc
<b>RF Power Monitoring:</b>	60dB dynamic range (@ any output)
<b>Local Configuration:</b>	LC-Display/keypads
<b>Remote Configuration:</b>	100Mbit Ethernet-Interface (WebGUI, SNMPv2c)
<b>Environmental:</b>	ETSI En300, Part 1-3, Class 3.1
<b>EMC/Safety:</b>	EN 50083-2 / EN 60950
<b>Operating Temperature:</b>	-20°C to 50°C
<b>Storage Temperature:</b>	-30°C to 75°C
<b>MTBF:</b>	2000K hrs min. MIL-HDBK-217F (25°C)
<b>Humidity:</b>	90%, non-condensing
<b>RoHS:</b>	Compliant

\*Other Connectors upon request

## ORDER INFORMATION

Type	Type No.:	Short Description	I/O Connectors
FlexLink S9E-1608C-50S	9001075	L-Band Switch Matrix 16:8 (fan-in/combining), 50Ohm SMA(f), variable gain, RF power monitoring, 1:1 redundant power supply, 1RU/19" rack mount	50Ohm SMA(f)