

FlexLink S9E-1608C

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.

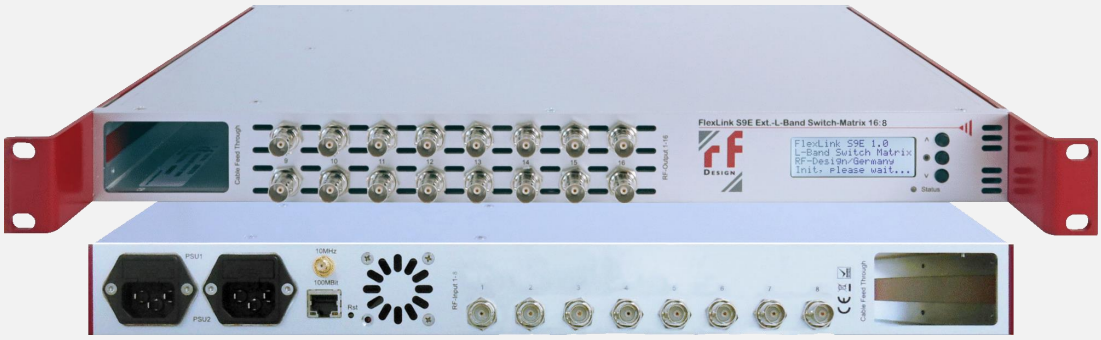
The unit is designed to allow switching/routing in a 16:8 configuration where several selected or all inputs can be switched/routed to one selected output (fan-in/combining).

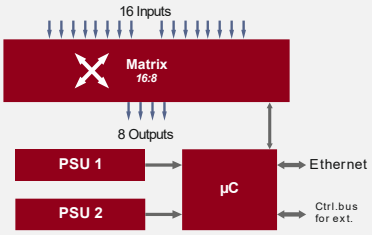
It features an efficient, flexible and reliable solution for today´s and future L-Band signal management and comes with beneficial features such as variable gain control, RF power monitoring, Threshold monitoring/alarming, as well as 1:1 redundant dual power supply.

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 todays 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***



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TECHNICAL SPECIFICATIONS

Dimensions:	1RU/19” rack mount 400mm deep; weight approx. 7kgs.
Switch Matrix Type:	Fan-in/combining
Switching Configuration:	16:8
Power Supply:	85 – 265V, 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:	-10dBm, 6dBm max.
Output IP1:	0dBm
Max. RF Output Power:	+5dBm
Input / Output Return Loss:	Input 12dB typ. , Output 15dB typ.
Isolation:	Input/Input ≥60dB – Output/Output ≥60dB – Input/Output ≥60dB
Noise Figure:	20dB typ. in unit @ full gain
Frequency Response:	± 1,5dB max. in L-Band / ± 3dB max. in extended L-Band*
Output Level Control:	Monitoring threshold adjustment/alarming
IMA3 @ -10dBm:	> -50dBc
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:	90%, non-condensing
RoHS:	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)

OPTIONS

Type	Type No.:	Short Description
Option10M - 10MHz Internal Source	9001531	10MHz sine Wave, +5dBm, Aging ±500 ppb max. @ 10 years: Phase Noise -90 dBc @ 1 Hz, -120 dBc @ 10 Hz, -142 dBc @ 100 Hz, -155 dBc @ 1 kHz, -160 dBc @ 10 kHz.

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