

FlexLink C2 RF switch series

L-Band & IF Switch units (2:1, 4:1, 8:1, 16:1, 32:1, 64:1)



GENERAL

The FlexLink-C2 series represents professional and reliable active RF-switch units available as 2:1, 4:1, 8:1, 16:1, 32:1 (1RU/19") and 64:1 (3RU/19") RF-switches allowing to switch the output port to one of the input ports. The units are available either for L-Band (950...2.150MHz) or *IF frequency range (10...200MHz, *upon request only). The FlexLink-C2 RF-switches are perfectly suited for integration in Teleports, Satellite Earth-Stations, as well as Broadcasting and CATV/IPTV architectures. The units feature RF-power monitoring upon request and provide 1:1 power-supply redundancy (hot-swappable). Excellent RF performance assures stable operation and perfect signal quality. A front-panel LC-Display/keypads (1RU/19") or 5,7" touchscreen (3RU/19") allow user-friendly local configuration while remote configuration can be realized via its Ethernet Interface (WebGUI/SNMP).



FEATURES

- Space saving 1RU/19" or 3RU/19" (64:1) design
- 1:1 redundant power-supply (hot swappable)
- Supports 2:1, 4:1, 8:1, 16:1, 32:1 or 64:1 RF switching
- Supports L-Band or IF* frequency range (*upon request)
- Available with 50Ohm SMA(f) or 75Ohm F(f)/BNC(f) connectors (see order information)
- Local control via front-side LC-Display/ keypads (1RU/19") or 5,7" touchscreen (3RU/19")
- Front-side status LED's
- Remote control via Ethernet-Interface (WebGUI/SNMP)
- Remote and front-side alarm, RF-power monitoring* (*upon request)
- Excellent and stable RF performance

TECHNICAL SPECIFICATIONS

- | | | | |
|---------------------------------|---|---------------------------------|--|
| ➤ Dimensions: | 1RU/19" / 3RU/19" (64:1) | ➤ Output return loss: | -16dB typ. |
| ➤ Power-supply: | 85...230V, 50/60Hz
1:1 redundant (hot-swapp.) | ➤ Local configuration: | LC-Display/keypads (1RU/19")
5,7" touchscreen (3RU/19") |
| ➤ Power-consumption: | >10W | ➤ Remote configurat.: | Ethernet (WebGUI/SNMP) |
| ➤ Frequency-range: | 950...2.150MHz (L-Band)
10...200MHz (IF), upon request | ➤ Alarm/Monitoring: | Remote and front-side
alarm & monitoring |
| ➤ Switching capacities: | 2:1, 4:1, 8:1, 16:1, 32:1, 64:1 | ➤ MTBF: | 600 kHrs (@ 25°C) |
| ➤ In- Output impedance: | 50Ohm or 75Ohm | ➤ EMC: | accord.: EN50083-2 |
| ➤ In- Output connectors: | SMA(f), F(f) or BNC(f) | ➤ Security: | accord.: EN60950-1 |
| ➤ Isolation: | >60dB (all ports) | ➤ Operating temperature: | 0...45°C |
| ➤ Insertion loss: | 0dB typ. / ±0,5dB | ➤ Storage temperature: | -10°C...65°C |
| ➤ Frequency response: | > ±0,5dB | ➤ Humidity: | 90% non-condensing |
| ➤ 1dB Compression: | +20dBm | | |
| ➤ Noise: | <9dB (in unit) | | |
| ➤ IMA3 @ -10dBm: | < -60dBc | | |
| ➤ Input return loss: | -16dB typ. | | |

==> See Order-Information on next page

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Made in Germany

ORDER INFORMATION

L-Band (950...2.150MHz), 50Ohm SMA(f) versions

- **FlexLink C2-0201:** 2:1 L-Band Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-0401:** 4:1 L-Band Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-0801*:** 8:1 L-Band Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-1601:** 16:1 L-Band Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-3201:** 32:1 L-Band Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-6401:** 64:1 L-Band Switch unit, 50Ohm SMA(f), 3RU/19", 1:1 redundant power-supply

**upon request only*

L-Band (950...2.150MHz), 75Ohm F(f) versions

- **FlexLink C2-0201-75*:** 2:1 L-Band Switch unit, 75Ohm F(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-0401-75*:** 4:1 L-Band Switch unit, 75Ohm F(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-0801-75*:** 8:1 L-Band Switch unit, 75Ohm F(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-1601-75:** 16:1 L-Band Switch unit, 75Ohm F(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-3201-75:** 32:1 L-Band Switch unit, 75Ohm F(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2-6401-75:** 64:1 L-Band Switch unit, 75Ohm F(f), 3RU/19", 1:1 redundant power-supply

**upon request only*

IF (10...200MHz), 50Ohm SMA(f) versions

- **FlexLink C2I-0201*:** 2:1 IF Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-0401*:** 4:1 IF Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-0801*:** 8:1 IF Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-1601*:** 16:1 IF Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-3201*:** 32:1 IF Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-6401*-75:** 64:1 IF Switch unit, 50Ohm SMA(f), 3RU/19", 1:1 redundant power-supply

**upon request only*

IF (10...200MHz), 75Ohm BNC(f) versions

- **FlexLink C2I-0201-75*:** 2:1 IF Switch unit, 75Ohm BNC(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-0401-75*:** 4:1 IF Switch unit, 75Ohm BNC(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-0801-75*:** 8:1 IF Switch unit, 75Ohm BNC(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-1601-75*:** 16:1 IF Switch unit, 75Ohm BNC(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-3201-75*:** 32:1 IF Switch unit, 75Ohm BNC(f), 1RU/19", 1:1 redundant power-supply
- **FlexLink C2I-6401*-75:** 64:1 IF Switch unit, 75Ohm BNC(f), 3RU/19", 1:1 redundant power-supply

**upon request only*