

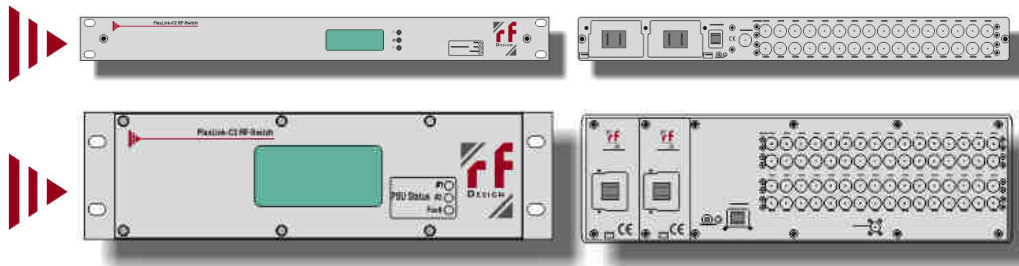


## FlexLink C2 Switch Series

### 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-Station, 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 (WEB-GUI/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 (\*upon request only)
- 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 (WEB-GUI/SNMP)
- Remote and front-side alarm, RF-power monitoring\* (\*upon request)
- Excellent and stable RF performance

#### TECHNICAL SPECIFICATIONS

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| <ul style="list-style-type: none"> <li>➤ <b>Dimensions:</b> 1RU/19", 400mm deep<br/>3RU/19" (64:1)</li> <li>➤ <b>Power-supply:</b> 85...230V, 50/60Hz<br/>1:1 redundant (hot-swapp.)</li> <li>➤ <b>Power-consumption:</b> &gt;10W</li> <li>➤ <b>Frequency-range:</b> 950...2.150MHz (L-Band)<br/>10...200MHz (IF), upon request</li> <li>➤ <b>Switching capacities:</b> 2:1, 4:1, 8:1, 16:1, 32:1<br/>64:1</li> <li>➤ <b>In- Output impedance:</b> 50Ohm or 75Ohm</li> <li>➤ <b>In- Output connectors:</b> SMA(f), F(f) or BNC(f)</li> <li>➤ <b>Isolation:</b> &gt;60dB (all ports)</li> <li>➤ <b>Insertion loss:</b> 0dB typ. / ±0,5dB</li> <li>➤ <b>Frequency response:</b> &gt; ±0,5dB</li> <li>➤ <b>1dB Compression:</b> +20dBm</li> <li>➤ <b>Noise:</b> &lt;9dB (in unit)</li> </ul> | <ul style="list-style-type: none"> <li>➤ <b>IMA3 @ -10dBm:</b> &lt; -60dBc</li> <li>➤ <b>Input return loss:</b> -16dB typ.</li> <li>➤ <b>Output return loss:</b> -16dB typ.</li> <li>➤ <b>Local configuration:</b> LC-Display/keypads (1RU/19"),<br/>5,7" touchscreen (3RU/19")</li> <li>➤ <b>Remote configurat.:</b> Ethernet (WEB-GUI/SNMP)</li> <li>➤ <b>Alarm/Monitoring:</b> Remote and front-side<br/>alarm &amp; monitoring</li> <li>➤ <b>MTBF:</b> 600 kHrs (@ 25°C)</li> <li>➤ <b>EMC:</b> accord.: EN50083-2</li> <li>➤ <b>Security:</b> accord.: EN60950-1</li> <li>➤ <b>Operating temperature:</b> 0...45°C</li> <li>➤ <b>Storage temperature:</b> -10°C...70°C</li> <li>➤ <b>Humidity:</b> 90% non-condensing</li> </ul> |
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## FlexLink C2 Switch Series

### L-Band & IF Switch Units - 2:1 / 4:1 / 8:1 / 16:1 / 32:1 / 64:1

#### 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 \*(upon request only)
- **FlexLink C2-0801\*:** 8:1 L-Band Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2-1601:** 16:1 L-Band Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2-3201:** 32:1 L-Band Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **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 \*(upon request only)
- **FlexLink C2-0801-75\*:** 8:1 L-Band Switch unit, 75Ohm F(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2-1601-75:** 16:1 L-Band Switch unit, 75Ohm F(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2-3201-75:** 32:1 L-Band Switch unit, 75Ohm F(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **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 \*(upon request only)
- **FlexLink C2I-0401\*:** 4:1 IF Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2I-0801\*:** 8:1 IF Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2I-1601\*:** 16:1 IF Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2I-3201\*:** 32:1 IF Switch unit, 50Ohm SMA(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **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 \*(upon request only)
- **FlexLink C2I-0401-75\*:** 4:1 IF Switch unit, 75Ohm BNC(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2I-0801-75\*:** 8:1 IF Switch unit, 75Ohm BNC(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2I-1601-75\*:** 16:1 IF Switch unit, 75Ohm BNC(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2I-3201-75\*:** 32:1 IF Switch unit, 75Ohm BNC(f), 1RU/19", 1:1 redundant power-supply \*(upon request only)
- **FlexLink C2I-6401\*-75:** 64:1 IF Switch unit, 75Ohm BNC(f), 3RU/19", 1:1 redundant power-supply \*(upon request only)