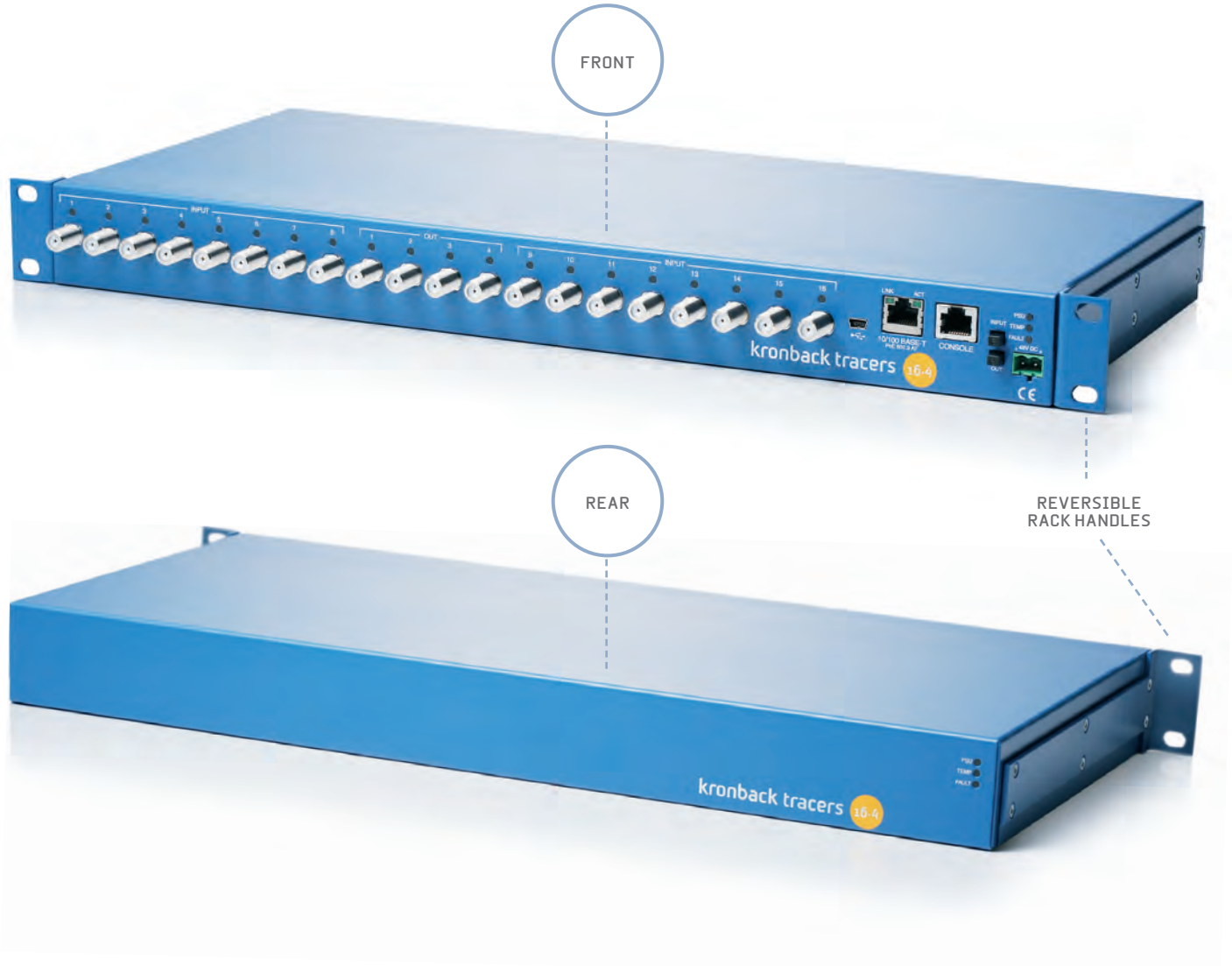
kronback tracers

16-4

16x4 RF
MATRIX SWITCH



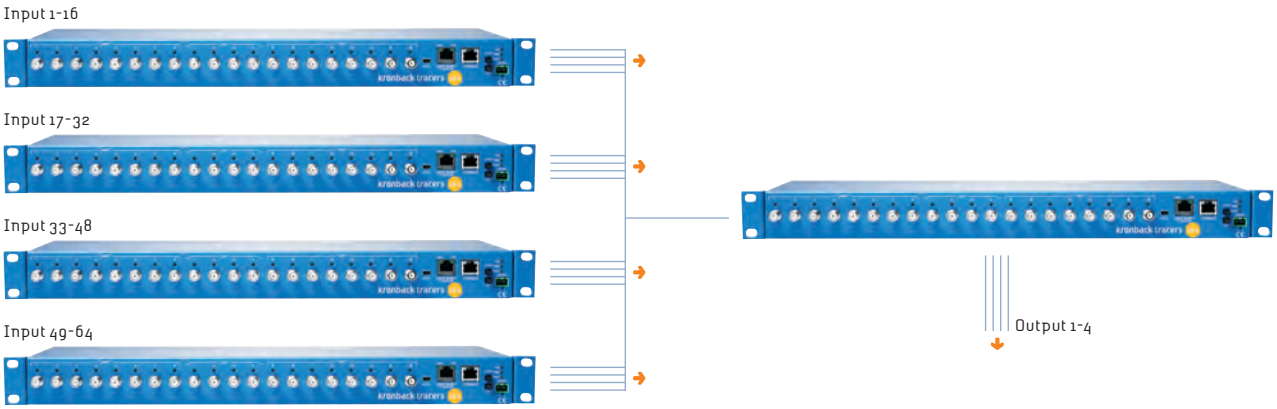
TRY TODAY

A live demonstration of the 16-4 web-enabled interface is available on:
www.kronback.com

HIGH PRECISION

* 16x4 RF matrix switch
* Multiple units forms a larger virtual matrix.
* frequency range: 4-200 MHz
* 10/100 base-T or USB control
* Power over ethernet acc. to IEEE 802.3af
* 48V DC supply
* 48V and PoE ensures power redundancy
* Web-based user interface
* Front control
* Buy-Per-Output ensures dynamic expansion
* Low power: less than 8 W

EXPANSION STACKING EXAMPLE 64x4



16-4

www.kronback.com.

16x4 RF MATRIX SWITCH

FLEXIBLE 16x4 RF MATRIX SWITCH

Kronback Tracers 16-4 matrix switch is a compact, flexible RF matrix switch for switching up to sixteen inputs over to four outputs in the 4 - 200 MHz range.The compact design is housed in a 1 HE chassis to occupy minimum rack space. The rack mount mechanics can be reversed for front or rear mount of cables.

WIDE RANGE OF USE

The 16-4 is used to distribute RF signals to multiple destinations in e.g. CATV headends. The 16-4 is also an excellent choice for n+1 headend redundancy handling, RF laboratory usage, time-shifting RF channels and emergency switching.

WEB-BASED USER INTERFACE

The 16-4 is equipped with a web-based user interface allowing users to name each input individually.

FLEXIBLE CONTROL

The IP stack of the 16-4 provides excellent features for remote-controlling the unit for access to third-party control software. The 16-4 can also be controlled with the buttons on the front, or with the USB interface.

BUY-PER-OUTPUT OPTION

The 16-4 can be delivered with only one output activated. Outputs can be activated individually with a license key to ensure dynamic expansion when more outputs are needed.

POWER SUPPLY

To ensure reliable operation, the 16-4 accepts both 48V DC and PoE (Power over Ethernet). In case of power loss on either of the supplies, the 16-4 will switch over seamlessly.

REMOTE CONTROL

The IP stack of the 16-4 provides excellent features for remote-controlling the unit for access to third-party control software.

SPECIFICATIONS

PHYSICAL SPECIFICATIONS

Dimensions
Physical Specifications
- Height 43.8 mm (1 unit)
- Width 482 mm (standard 19" dimensions)
- Depth 255 mm
- Weight 2 Kg

ELECTRICAL

- Power over Ethernet according to IEEE803.2af (pin 4,5 & 8,7)
- 48V DC Connnector Reverse polarity protection
- Power consumption <8 Watt

ENVIRONMENTAL

- Operating Temperature: 5°C ~ 45°C
- Storage Temperature: -20°C ~ 55°C
- Operating Humidity: 10% ~ 90%, non-condensing
- Fanless device

CONTROL

USB
- USB Mini Connector
- HID profile

NETWORK

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-Tx Ethernet
- IEEE 802.3af Power over Ethernet
- Fixed IP address, No DHCP support

MANAGEMENT

- Remote
- Web
- Socket (proprietary protocol reverse compatible with S16 16x1 RF switch)
- USB
- Local control
- Pushbuttons (input & output)

RF SPECIFICATIONS

Input 1-16
- Connector: F-type 75 ohm, AC coupled. 100V DC isolation
- Frequency response: 4-200 MHz
- insertion loss: 0 dB ± 0.5 dB
- Return loss: >18dB
- Isolation: >60 dB

OUTPUT 1-4:

- Connector: F-type 75 ohm, AC coupled
- Return loss: >18dB
- Isolation: >60 dB
- NF: <12 dB

DISTORTION

- CTB, CSO, IM > 60dBc@output level 100dBuV
- Specified as CENELEC 42 Channel equivalent

LICENSE

- Input 1-16 always active
- Output 1 always active
- Output 2,3 & 4 activates with license key
- License is time-unlimited

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Kronback Tracers is an innovative, rapidly-growing company. We operate globally and our dedicated and experienced staff are ready to serve our customers worldwide. Our philosophy is seeing is believing, so we encourage you to contact our sales organisation to test our products on your premises.