

New Product Announcement!

Xtra Long Life 100 million cycles

USB/Ethernet RF Switch Matrix RC-2SP4T-A18

50Ω DC to 18 GHz

The Big Deal

- **USB or Ethernet-TCP/IP** (HTTP and Telnet protocols) control
- Capable of 100 million cycles
- Two SP4T electromechanical, absorptive RF switches (85 dB typ. isolation)
- Plug-and-Play usable with Windows®, Mac®, and Linux® computers



Case Style: MR1937



Installation CD



Pricing: \$2,195.00 (QTY 1-9)

Product Overview

Mini-Circuits' RC-2SP4T-A18 is a general purpose RF switch matrix controlled via either USB or Ethernet-TCP/IP (supports HTTP and Telnet protocols). The model contains two electromechanical SP4Ts, absorptive fail-safe RF switches constructed in break-before-make configuration and powered by +24VDC with switching time of 25 ms typical. The RF switches can be operated remotely using the supplied GUI software or programmed by the user with the included API objects. The RF switches operates over a wide frequency band from DC to 18 GHz, have low insertion loss (0.2 dB typical) and high isolation (85 dB typical) making the switch matrix perfectly suitable for a wide variety of RF applications.

The RC-2SP4T-A18 is constructed in a compact, rugged metal case (5.5" x 6.0" x 2.25") with 10 SMA(F) connectors (COM, 1, 2, 3, and 4 for each switch), a 2.1mm DC socket, USB type B port, and a standard RJ45 network socket. The model is supplied with our easy-to-install, easy-to-use GUI software and API objects for Windows environments with complete programming instructions for 32 and 64 bit Windows® and Linux® operating systems. Also included is a 2.7 ft. USB cable, a 5 ft. Ethernet cable for Ethernet (HTTP and Telnet) control, and a power adaptor suitable for US, EU, and other power systems. See page 9 for list of all accessories included. Longer USB cables and a mounting bracket are available as additional accessories.

Key Features

| Feature | Advantages |
|--|--|
| Ethernet-TCP/IP- HTTP and Telnet Protocols (Supports DHCP and Static IP) | The RC-2SP4T-A18 switch matrix can be controlled from any Windows®, Mac®, or Linux® computer, or even a mobile device with a network connection and Ethernet-TCP/IP (HTTP or Telnet protocols) support. Using a VPN would allow remote control from anywhere in the world. |
| USB HID (Human Interface Device) | User may also control the switch matrix via USB connection. Plug-and-Play, no driver required. Compatible with Windows® or Linux® operating systems using 32 and 64 bit architecture. |
| RF SP4T absorptive electromechanical switches | Wideband (DC to 18 GHz) with low insertion loss (0.2 dB typ.), very high isolation (85 dB typ.), and high power rating (2W Hot switching). |
| 24VDC operating voltage | The RC-2SP4T-A18 requires 24V / 230 mA to power the RF switch, supplied from the power adaptor (included). |
| GUI Software CD, programming instructions, USB & Ethernet cables, and 24VDC power adaptor included | The RC-2SP4T-A18 comes ready to use out of the box with all software, accessories, and instructions needed for immediate operation included. |
| Switch Cycle Counters with automatic Calibration interval alerts | Allows user to monitor the exact usage of each switch and plan calibrations based on actual usage, improving reliability and saving maintenance costs. |

