

**AL2202****64 CHANNEL 100MHz ANALOG MATRIX SWITCH****FEATURES**

- Full Fan-out Non-Blocking Switch
- 100MHz Analog Bandwidth
- Selectable Input / Output Impedance
- BNC connectors
- Redundant power supplies
- Easy to use GUI for control through front panel or remotely via Ethernet (optional)

**OVERVIEW**

The AL2202 100MHz analog matrix switch for routing and distributing between telemetry and communications equipment such as receivers, demodulators, bit syncs, and recorders. It is an ideal and cost effective alternative to a patch panels.

The AL2202 is a 32x32 fully non-blocking matrix switch capable of switching analog signals up to 100MHz. The AL2202 has an integrated control interface and display as well as an optional GUI for control via Ethernet.

**SPECIFICATIONS****INPUTS / OUTPUTS**

- 32 input by 32 output
- BNC connectors

**INPUTS**

- Dynamic Range  $\pm 2.5V$  ( $75\Omega$ )
- Maximum Range  $\pm 5.5V$  (no damage)

**OUTPUTS**

- Dynamic Range  $\pm 2.5V$  ( $75\Omega$ )
- Gain Accuracy at 10MHz: 5%
- Overall Gain Flatness: 1 dB

**ANALOG BANDWIDTH**

- 3dB cutoff frequency 100MHz

**ISOLATION**

- Crosstalk Isolation: >80 dB @ 1MHz, >60dB @10MHz, >30dB @ 100MHz

**CONTROL**

- Front panel
- Secure remote control over Ethernet via GUI or SSH

**CONFIGURATION STORAGE / RETRIEVAL**

- Local - 256 individual configurations

**MECHANICAL**

- 2U chassis (400 mm deep); 3.5" high

**POWER**

- 100 to 240V AC, 50 to 60 Hz
- Dual redundant DC power supplies

**ENVIRONMENT**

- Operating temperature:  $0^{\circ}C$  to  $+50^{\circ}C$
- Relative humidity: 0 to 95%, non-condensing