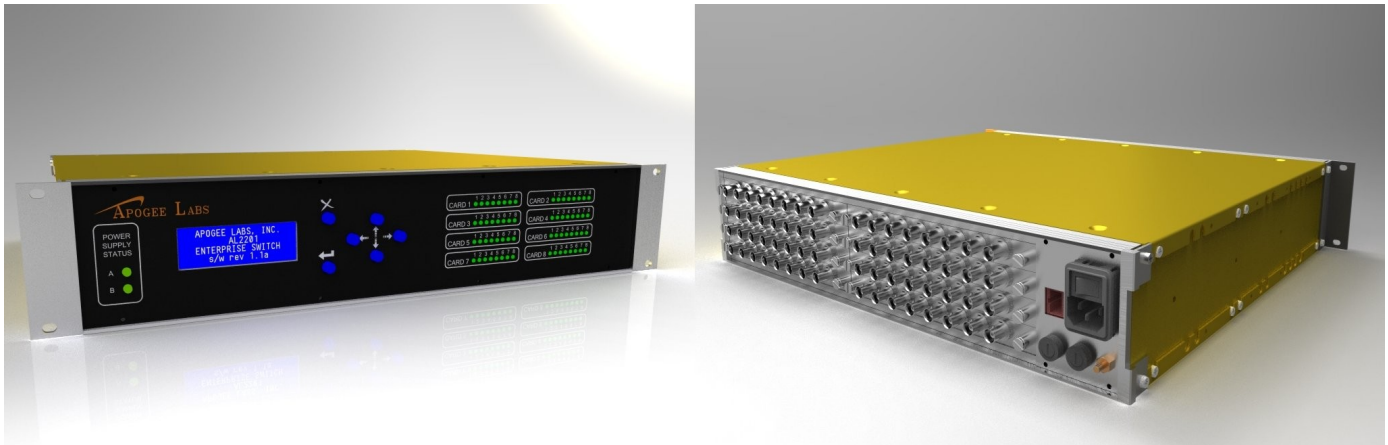




**AL2201**  
**64 CHANNEL DIGITAL MATRIX SWITCH**



**FEATURES**

- Non-blocking matrix switch
- Signal types include TTL & RS422
- Multiple configuration storage capability
- Modular and scalable architecture
- Signal distribution and conversion
- Hot swappable input/output modules
- Redundant power supplies
- Easy to use GUI for control through front panel or remotely via Ethernet (optional)

**OVERVIEW**

The AL2201 digital matrix switch for routing, distributing, and/or converting various signal types as an interface between telemetry and communications equipment such as bit syncs, receivers, recorders, and decommutators. It is an ideal and cost effective alternative to a patch panel.

The AL2201 is a fully non-blocking matrix switch capable of accommodating matrices such as 8x8, 16x16, 24x24, 32x32, or permutations from 8x56 to 56x8. Signal types supported include TTL and RS422. The AL2201 has an integrated control interface and display as well as an optional GUI for control via Ethernet.

---

**SPECIFICATIONS**

---

**DATA/CLOCK**

- Less than 20ns system latency

**SIGNAL TYPES**

- TTL and RS-422

**INPUTS / OUTPUTS**

- Up to 64 Signals (32 Pairs)
- 8 channels per interface card
- Scalable
- Supports configurations of: 8x8, 16x16, 24x24, 32x32, or permutations from 8x56 to 56x8

**DATA BANDWIDTH**

- TTL up to 35 Mbps
- RS-422 up to 20 Mbps

**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° C to +50° C
- Relative humidity: 0 to 95%, non-condensing