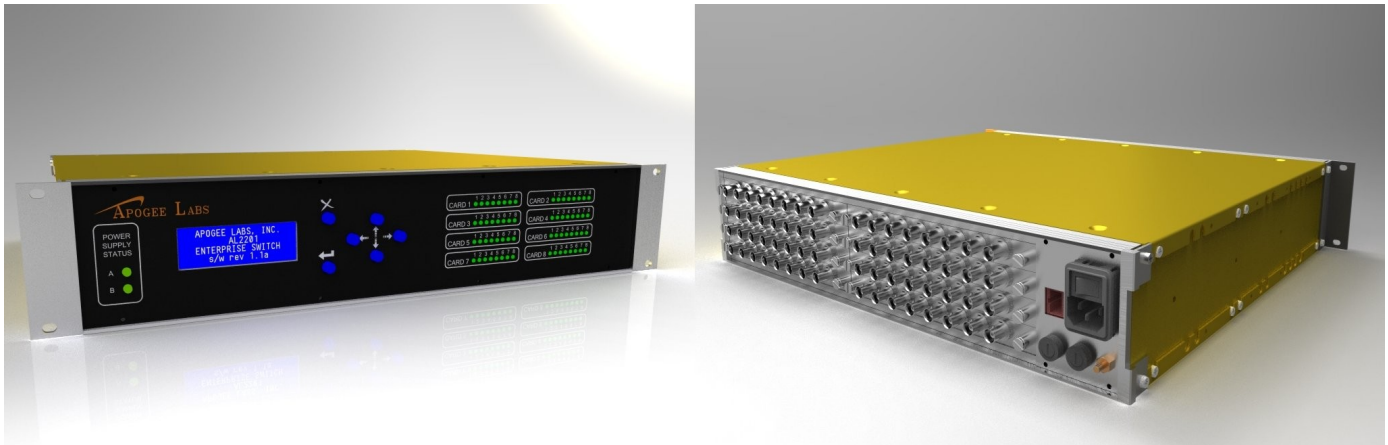




**AL2201**  
**64 CHANNEL DIGITAL MATRIX SWITCH**



**FEATURES**

- Non-blocking matrix switch
- Signal types include TTL, RS-422, ECL
- 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, RS-422 and ECL. The AL2201 has an integrated control interface and display as well as an optional GUI for control via Ethernet.

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**SPECIFICATIONS**

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**DATA/CLOCK**

- Less than 20ns system latency

**SIGNAL TYPES**

- TTL, RS-422, ECL

**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
- ECL Data Rates up to 1 GHz

**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