



AL1025

4-Channel TMoIP Processor



IRIG 218-10/218-20 & IRIG 106 Chapter 10 Compatible

Our AL1025 distributes Serial PCM data over a wide range of commercial IP-based networks, in real time, with very low latency and exceptionally high performance... either short distances through a LAN or longer distances through a WAN or ISP. The systems enable the transmission of multiple telemetry streams from one point to multiple locations while maintaining their time-date relationships, making it a highly reliable and economical alternative to dedicated serial interconnection systems. Moreover, the embedded system management software is easy to set-up and enables monitoring of the distribution network via a user-friendly Graphic User Interface (GUI) or secure SNMP connection. Each of these products support data rates up to 40 Mbps and conform to the latest industry standards and specifications, including IPv6, IRIG 106 Chapter 10, and IRIG 218 (TMoIP).

- Up to 4 PCM channels
- Channels are user configurable as Input or Output
- Front and rear panel status LEDs
- Remote or front panel operation
- Supports IRIG 218-10/218-20 & IRIG 106 Chapter 10
- Time Input & Output: IRIG 200-04, NTP, IEEE-1588
- Up to 40Mbps PCM
- Integrated BERT with link delay
- 1U modular and space-saving chassis
- Minimal overhead and ultra-low latency
- Ethernet & optional Fiber SFP data links

SPECIFICATIONS

INPUTS / OUTPUTS

- Four Data and Clock PCM Channels
- TTL Compatible Data and Clock
- 100 kbps to 40 Mbps per channel
- Integrated BERT
- BNC Connectors

POWER

- AC Power Input: 100V to 240V AC, 50-60 Hz
- DC Power Input: +24 to +32V DC, 100 Watts Max

ENVIRONMENT

- Operating temperature: 0° C to +50° C
- Storage temperature: -40° C to +70° C
- Relative Humidity: up to 95% non-condensing

MECHANICAL

- 1U Chassis (400 mm deep); 1.75" high, 19" wide , 7lbs

ETHERNET INTERFACES

- RJ45 Connector
- SNMP v2 and v3
- 10/100/1000 Mbps Ethernet connectivity
- Protocols supported:
 - TCP/IPv4 & IPv6
 - RUDP
 - SSH / Telnet
 - UDP/IP Unicast
 - UDP/IP Multicast
 - UDP/IP Broadcast

FRONT PANEL

- Character LCD Display with pushbutton interface for setup
- Individual channel status LEDs

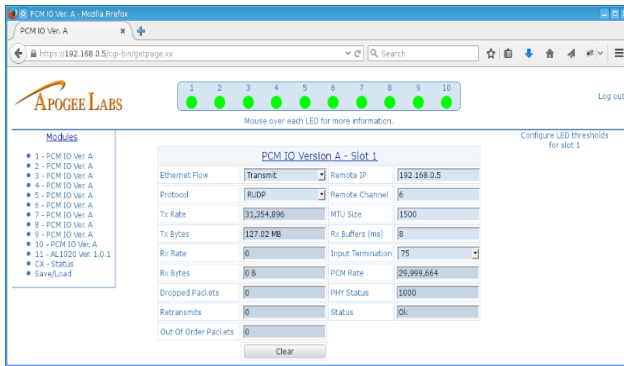
TIMING INPUT / OUTPUT

- Input & Output: IRIG 200-04, NTP, IEEE-1588
- IRIG A, B, and G Input/Output Port

SAFETY

- IEC/UL 60950-1

SYSTEM MANAGEMENT



Ease of set-up and use and rapid diagnostic capabilities are the cornerstones of our embedded system management software. The specialized software provides top level management information on each end of the TMoIP connection, including data to assess network functionality. Moreover, with remote control capability, operators at any end of the TMoIP network can drill down to view the telemetry data from any input channel and assess channel status, I/O counts and parameters, IRIG timing, and error counts, among other data... all through the user-friendly Graphic User Interface (GUI) or a secure SNMP connection.

APPLICATION OVERVIEW

