



***Telemetry needs have evolved... So have we.***

***Introducing the next generation Apogee Mux.***



***20 years of telemetry experience in one box.***

## **AL1020 Telemetry (TM) Gateway**



- High channel count, cost effective Ethernet transport of 10 PCM Links
- Flexible Configuration: Each channel can be configured as either an input or output
- TCP/IPv4 and TCP/IPv6 compliant
- 10/100/1000 Mbps Ethernet interface
- Minimal overhead and latency
- Independent BERT with link delay
- Serial PCM channel TTL, 1kbps - 40Mbps
- Low profile form factor - 2U Chassis
- Web/browser-based remote control
- Unique remote address for each channel

***Future capabilities will include interfaces for video, analog, RS-422 PCM data, audio, time and other signal types. Contact us to discuss your specific requirements!***

## SPECIFICATIONS

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### PCM DATA INPUT

- 1 kbps – 40 Mbps
- TTL data/clock Input - 50/75 Ohm, BNC connector

### PCM DATA OUTPUT

- Supports rates from 1 kbps to 40 Mbps
- TTL data/clock output - BNC connector drives a 50/75 Ohm load

### BERT

- Independent BERT Interface
- TTL Compatible
- BNC Connectors, 75 ohms
- Rates from 100 bps to 40 Mbps

### POWER

- IEC 320-C14 jack
- Supply voltage 90 – 264 VAC

### MECHANICAL

- 16.63" W x 13" L x 3.5" H
- Weight: approximately 8 lbs

### ENVIRONMENT

- Operating temperature: 0° C to +55° C
- Storage temperature: -40° C to +70° C

### RELATIVE HUMIDITY

- Humidity: up to 95% non-condensing

### ETHERNET INTERFACES

- SNMP v2 and v3
- 10/100/1000 Mbps Ethernet connectivity
- Protocols supported:
  - TCP/IPv4 & IPv6
  - UDP/IP Unicast
  - TMoIP
  - UDP/IP Multicast
  - SMB
  - UDP/IP Broadcast
  - ICMPv2
  - SSH / Telnet
  - DHCP
  - ARP
- Retransmit UDP/IP Unicast

### REMOTE CONTROL

- Operating system independent remote control interfaces
- APEX Compatible
- Web Browser – Mozilla Firefox(1.5+) and Microsoft Internet Explorer(6+) supported
- SSH / Telnet – Unix/Linux Telnet and Microsoft Telnet supported (Subset of functionality)
- NNAT Compatible
- User level access control

### FRONT PANEL DISPLAY

- 4 line LCD Display for setup/status
- User keys for display control
- Software lockable to make read only

## APPLICATIONS

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*Real-time transmission of telemetry data from its source location to one or multiple destinations... either short distances through a LAN or longer distances through a WAN or ISP.*

