DATA TRANSPORT
(TMolIP, Ethernet Recording, Data Conversion and Distribution & Link Test)
Product Overview

- IRIG 218-20 Compliant
- Operation to 50Mbps
- IRIG106 Chapter 10 Output Capability
- IRIG106 Chapter 7 Decoding
- IRIG Time Tagging
- Bit Synchronizer for Digital Data Inputs
- Available with User Specific Packet Formats
- Low Latency: Programmable Latency Modes
- Frame Sync Modes for Byte Aligned Packets
- UDP/IP, TCP/IP & Multicast Operating Modes
- Link Test

Telemetry-over-IP Gateways

Model 2350/2351 Telemetry Gateway provides the necessary signal processing to pass telemetry data to or from an Ethernet network. User programmability permits the unit to function as a Telemetry-to-Ethernet converter (packetizer) or as an Ethernet-to-Telemetry converter (de-packetizer). Each channel is individually configurable as either a packetizer or de-packetizer. It is available in 2, 4 and 12 channel configurations. All units include an IRIG B time transport along with the data. Redundant power and fans are available with the unit. For applications requiring transport of PCM & Time, this is a single box solution in a compact 1U configuration that provides a higher MTBF and product availability than modular or PC based solutions.

Model 3500 Ethernet Data Recorder is a high data rate, large capacity streaming network recording system that utilizes mature and field-proven recording technology to deliver consistent, reliable recording/playback of streaming IP telemetry data.

- Greater than 1GB/s Sustained Payload Recording Rate
- Standard Dual 10 Gigabit & Dual 1 Gigabit Ethernet Interfaces
- Separable Management & Data Network Interfaces
- Storage Capacities to 32TB
- AES Encryption (optional)
- IRIG Time

Data Conversion and Distribution

The 9200 Series Data Conversion and Distribution System is a scalable product that can be user configured to convert and/or distribute a large selection of data channels. The 9200 Series units are a cost-effective and flexible solution to a wide range of signal conversion and distribution applications. The 2U 19” rackmount unit can hold up to 16 pluggable modules, each with the ability to accept and terminate a variety of signal types (TTL, RS-232, Fiber, ECL, Analog, Time, Video) then convert signals to other industry standards.

- Hot-Swap Modules w/ 16 Module Slots
- Signal Distribution via Global & Daisy-chain Busses
- Redundant Power and Fans
- Fiber Transport Modules Available (Including CWDM)
- Remote Control & Monitoring Available
- Fixed Jumper Configured Modules
- Signal Conversion & Distribution: TTL, RS-232, Fiber, ECL, Analog, Time, Video

Telemetry Range Management Software offers complete control of all range assets (Telemetry Receivers, Best Source Selectors, TMolIP Transport Devices, Ethernet Recorders, Data Processors) in an intuitive user-friendly interface.

- 1 bps to 50 Mbps
- Jitter / Noise Performance Test & Plots
- IRIG Code Conversion, LDPC, Reed Solomon
- Pseudo-random & User Defined patterns
- Independent Transmit & Receive Sections
- Bit Error Measurements
- Link Delay & Acquisition Time Measurements
- TTL / RS-422 / Bipolar / ECL I/O

Data Link Test Sets

Model 650 Data Transmission Test Set fills the need for high performance data-link verification and qualification at an affordable price. The user is provided with independent transmit and receive functions to allow rapid fault isolation and data link characterization. Model 652 Dual Channel Data Transmission Test Set provides the user with two totally independent channels. Each channel provides independent transmit and receive functions.
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