Switches

Integrated Ethernet Switches - iES-16/12/8/6 are managed layer 2/3 gigabit Ethernet switches w/ end-node timing for demanding test instrumentation environments

Features
- HDLC/IRIG 106 Chapter 7 PCM Encoder/Decoder
- IRIG-A/B/G Time Code Generator (GPS/PTP Source)
- IEEE-1588 PTP Clocks w/ Grand Master (GPS Source)
- IRIG DC/AM/1PPS Outputs
- Programmable Discrete Inputs/Outputs
- iES-12/16 Contains Switch Connected FPGA for Packet Level Data Processing

Gateways

Instrumentation Gateway - iGU
Configurable gateway between instrumentation systems & Ethernet networks or telemetry transmitters. Contains a layer 2/3 managed switch, FPGA & quad-core ARM CPU for data processing & protocol transforms

Features
- PCM Inputs/Outputs, NTSC Video Input
- IEEE-1588v2 Master/Slave, IRIG TCG
- PCM & Video to Chapter 10 UDP
- Ethernet/Chapter 10 UDP to HDLC/Chapter 7 PCM
- Ethernet/DAR & HDLC/Chapter 7 PCM

TAP’s

Available Soon

Remote TAP & Aggregation Gateway - RTAG
Based on the MITRs Tap & Interface Modules (TIM), the RTAG provides a distributed “TAP & Aggregate” capability for copper and optical links on an existing platform

Features
- Ethernet, Fibre Channel & IEEE-1394/AS5643 TAP’s
- Optical & Copper
- Rx/Tx TAP to Tx Output or Aggregate Multiple TAP’s to Tx Output
- Fibre to Copper Media Converter
- S-Group Message Filtering & PCM Output (CH4, HDLC, CH7)

As of 10-15-2019
Product Brief
Recorders, Switches, TAPS & Gateways

Recorders

Modular Instrumentation TAP Recorder - MITR
MITR is a high-bandwidth, high-capacity processor/recorder/publisher with Optical or Copper TAP Interface Modules & high-speed removable storage. Suitable for a wide range of data recording requirements in harsh & demanding environments.

Features
- Record Fibre Channel, Ethernet, AS5643 IEEE-1394B, & More
- Over 1.5GBps Sustained Recording w/ Up to 48TB of Storage
  - IEEE-1588v2 Including Grand Master, IRIG TCG, GPS
- 4 Port Layer 2/3 Managed Switch w/ Recording Capability
  - HDLC/Chapter 7 Encoded PCM Output
- Simultaneous Publishing to 1-4 Ethernet Ports
- Real-Time Data Filtering

MITR - Record, TAP, Filter, GM Clock, PCM Out
iES - Switch, Filter, GM Clock, PCM Out
iGU - Protocol Conversion, PCM Out
RTAG - TAP & Aggregate, PCM Out