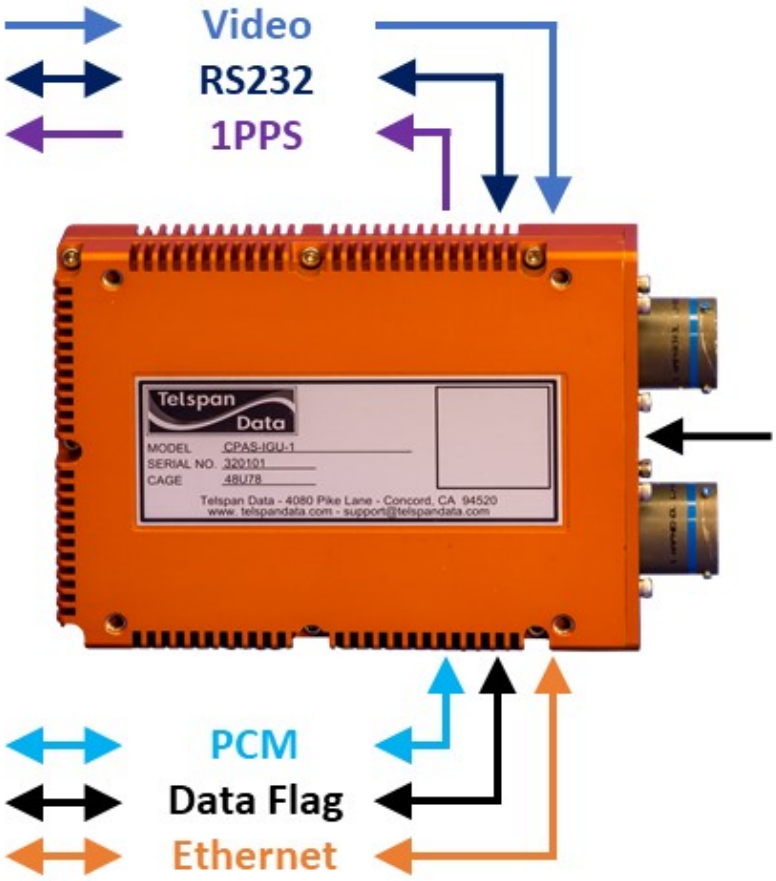
iGU
Instrumentation Gateway Unit

Highlights
- PCM & NTSC Video Input to Chapter 10 UDP
- Chapter 10 UDP to HDLC/Chapter 7 PCM Output
- TTC DARv3 to HDLC/Chapter 7 PCM Output
- Any Ethernet to HDLC/Chapter 7 PCM Output
- IEEE-1588v2 Master/Slave, IRIG TCG

Overview
The iGU is a configurable gateway between instrumentation systems and Ethernet networks or telemetry transmitters.

This small self-contained rugged airborne unit, contains a layer 2/3 managed Ethernet switch, powerful FPGA and quad-core ARM CPU which allows unprecedented flexibility in data processing and protocol transforms.

Along with PCM and video inputs/outputs the iGU also contains a hardware based IEEE-1588v2 time engine within the switch and a 1PPS output from the 1588 time.



- **Layer 2/3 Managed Switch**
- **FPGA & QuadCore CPU**
- **IEEE-1588 HW Time Engine**
- **MIL-704 Power**

Specifications @ telspandata.com/iGU
- 2 Gigabit Ethernet Interfaces
- 1 RS422 PCM Input & Output
- Video Input
- 1PPS Output from 1558 RS-232 Port
- Discrete I/O