

Highlights

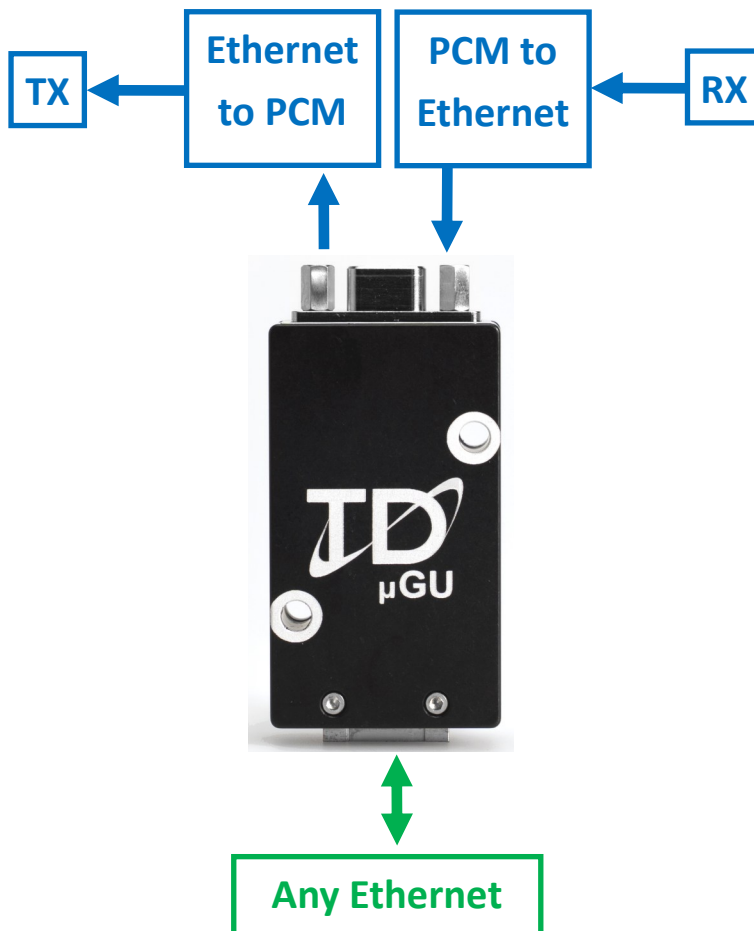
- (2) Ethernet Ports 10/100
- (2) PCM RS-422 @ 25Mbps
- CH7-15 Encoding/Decoding
 - Ethernet Encoding to IRIG 106-15 Chapter 7 PCM
 - IRIG 106-15 Chapter 7 PCM Decoding to Ethernet
 - Full Duplex Ethernet over PCM

Overview

The μGU Micro Gateway Unit is a configurable gateway between instrumentation systems, Ethernet networks & telemetry transmitters/receivers.

This small self-contained ruggedized unit, contains two 10/100 Ethernet ports, two PCM ports (up to 25Mbps) & an FPGA processor. The FPGA provides IRIG 106-15 Chapter 7 PCM processing which allows the unit to function as an Ethernet-to-telemetry encoder and telemetry-to-Ethernet decoder.

IRIG 106-15 Chapter 7 Gateways extend traditional PCM by enabling asynchronous packet telemetry by embedding Chapter 10 packets, TmNS messages, and/or any Ethernet frames within minor frames of PCM streams. This provides streamlined support for mixed data type, including analog, video, Ethernet, while minimizing overhead & preserving compatibility with legacy Chapter 4 systems.



Highlight Specifications



9-36 VDC



Width .95"
Length 1.65"
Height .5"



MIL-STD-810F
Shock/Vibe



35 Grams



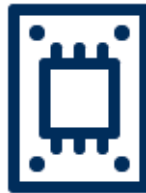
-40C to +75C
MIL-STD-810F



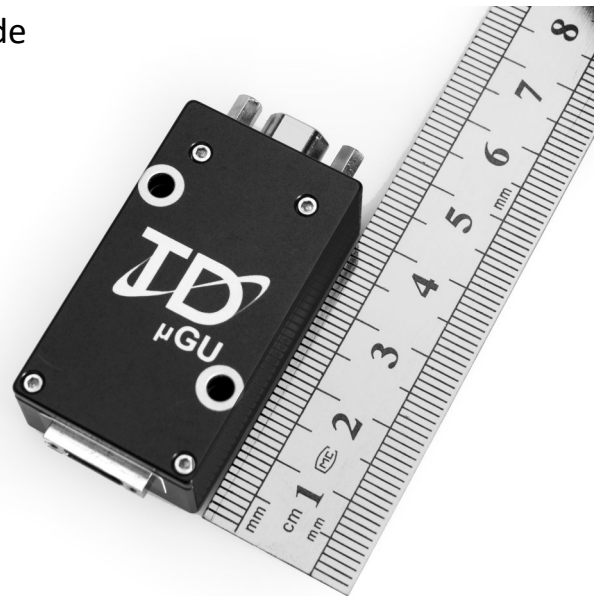
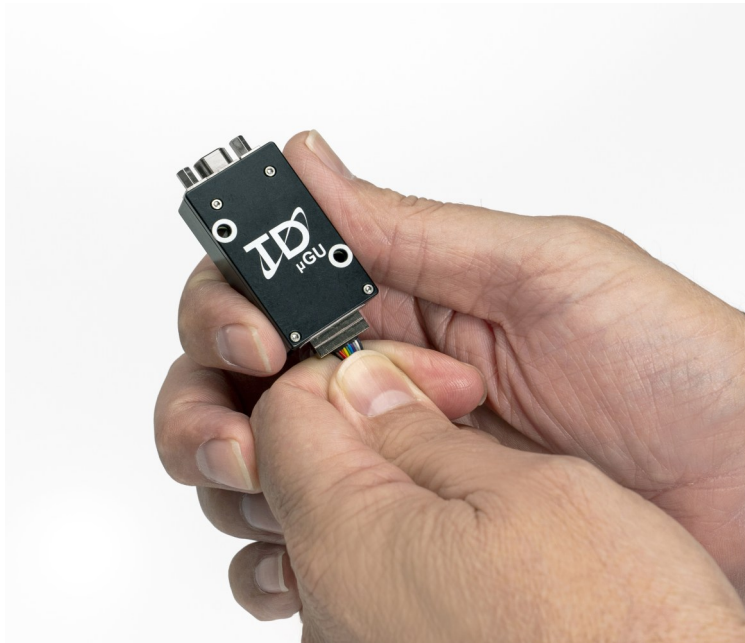
(2) 10/100
Ethernet Ports



(2) RS-422
Input / Output
25Mbps



FPGA for
Chapter 7-15
Encode/Decode



Learn More at telspandata.com/Gateways