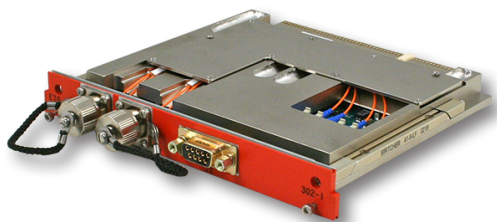


# ETG-302-1

2-Channel Optical 10 Gigabit Ethernet Card

**CURTISS-  
WRIGHT**

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## Key Features

- High data rate
- 10 Gigabit Ethernet

## Applications

- Flight test instrumentation
- Air vehicle test, certification and development
- Ethernet-based network data acquisition

## Overview

The ETG-302-1 is a two-channel optical 10 Gigabit Ethernet board for the next generation Airborne Instrumentation Multiplexer, AIM-200XE-1. It receives and formats inbound (acquired) data. When the ETG-302-1 is used in the AIM, it can transmit data to an nREC-7000-1 recorder through one or two 10 Gb Ethernet ports.

The ETG-302-1 has several interfaces on its front panel: an RS-232/422 port, and two 10 Gigabit Ethernet ports.

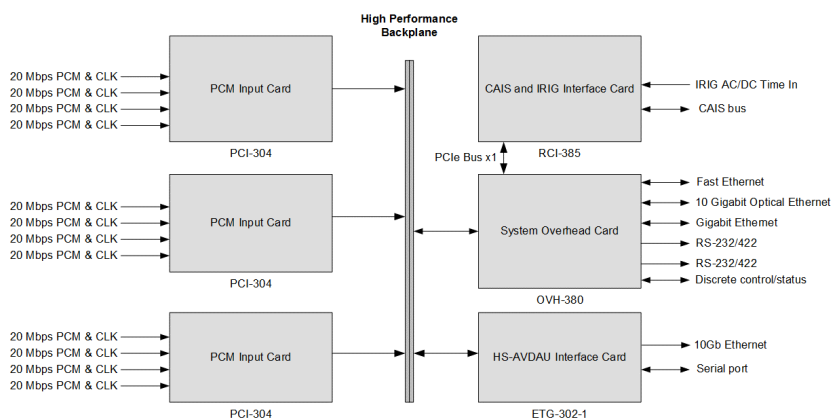


Figure 1: ETG-302-1 system diagram

## Specifications

### General

- Supply voltage: +3.3VDC and -12VDC
- Power consumption: 18W max
- Temperature:
  - + Operating: -40°C to 85°C (base plate)
  - + Storage: -55°C to 100°C
- Random vibration: 15 Grms, 20 to 2000 Hz, 10 minutes, any axis
- Acceleration: 25 g, indefinite duration, any axis
- Shock: 15 g, half-sine, 11 mS, 6 shocks, any axis
- Humidity: 5-95% RH, non-condensing
- Altitude: 0 to 70,000 ft.
- EMI/EMC: Per MIL-STD-461

### Dimensions and Mechanical

- Dimensions (W x D)
  - + 6.30 x 5.2" (160 x 132 mm)
- Weight
  - + 1.125 lb (0.510 kg)
- Finish: Per MIL-C-5541E
- Unit connectors: (2) optical, (1) 9-pin D-sub

## Ordering Information

Contact [Curtiss-Wright](#) for ordering information