

GPT-IRIG-B Module

Preliminary



IRIG-B Module for SICOM3028GPT

- Designed for the SICOM3028GPT-L2GT, SICOM3028GPT-L2FT, SICOM3028GPT-L3GT, SICOM3028GPT-L3FT and managed by SICOM3028GPT chassis.
- PTP to IRIG-B high precision clock converting
- 2 IRIG-B(DC), 2 IRIB-B(AC), and 1 PPS outputs
- Supports IRIG-B000, B001, B002, B003, B004, B005, B006, B007, B120, B121, B122, B123, B124, B125, B126, B127 output
- Supports hot-swap for easy maintenance (only can replace the same type of module)

Overview

IRIG-B PTP clock converter output module is specifically designed for SICOM3028GPT series which support PTP protocol. It realizes the conversion from PTP to IRIG-B clock and PPS (Pulse Per Second). This allows the IRIG-B format industrial devices to receive PTP high precision clock through our switches conveniently. This enables a high precision synchronization in the whole industrial network. The module provides two IRIG-B (DC) outputs, two IRIG-B (AC) outputs and one PPS output.

Product Specifications

Interface

IRIG-B(DC)

- ▼ TTL, +5V level, 50Ω, trigger by rising edge, port load: 75mA,
- ▼ BNC connector or 2-Pin 5.08mm-spacing plug-in terminal block socket

IRIG-B(AC)

- ▼ Vp-p software adjustable, 600Ω, modulation ratio software adjustable, BNC connector or 2-Pin 5.08mm-spacing plug-in terminal block socket

PPS

- ▼ TTL, +5V level, 50Ω, trigger by rising edge, pulse width 20ms-200ms, software adjustable with step of 1ms, BNC connector

LED

LED on front panel

- ▼ Module running LED: Run

Power Requirements

Power input	3.3VDC
Power terminal	A type interface (powered by backplane)

Power consumption	<1W
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Physical Characteristics

Housing	Metal
Cooling	Natural cooling, fanless
Dimensions(WxHxD)	122.6mm×20.25mm×106.6mm (4.83×0.80×4.20 in.)
Weight	0.35Kg (0.772 pound)

Environmental Limits

Operating temperature	-40°C to +85°C (-40°F to 185°F)
Storage temperature	-40°C to +85°C (-40°F to 185°F)
Ambient Relative Humidity	5%-95% (non-condensing)

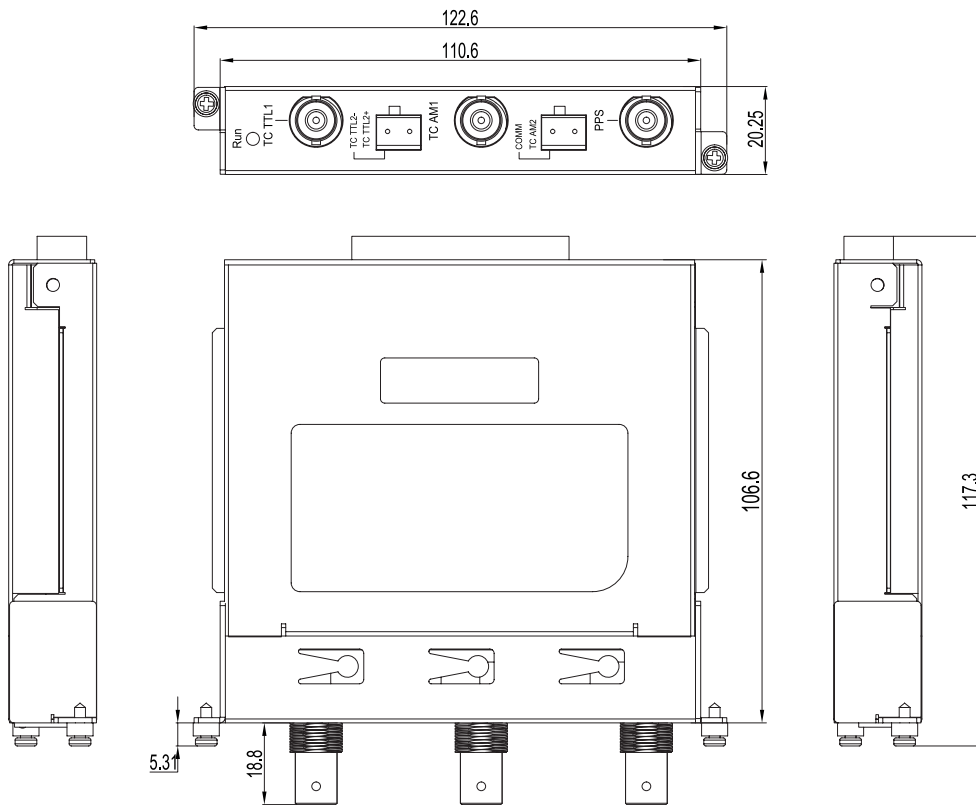
Quality Assurance

Warranty	5 years
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Approvals

CE(pending), FCC (pending)
Please check Kyland website for the latest updates.

» Mechanical Drawing



» Ordering Information

Model

SM6.6-PTP-BO-0.5U

Description

IRIG-B module, 2 IRIG-B(DC), 2 IRIB-B(AC), and 1 PPS outputs