

# IRIG-B Module

## PTP to IRIG-B convert 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.

### » Key Features

Designed for the SICOM3028GPT-L2GT,SICOM3028GPT-L2FT,SICOM3028GPT-L3GT,SICOM3028GPT-L3FT and managed by the chassis

PTP to IRIG-B high precision clock converting

2 IRIG-B(DC), 2 IRIG-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)

### » Product Specifications

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##### -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

#### **-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% to 95% (non-condensing)

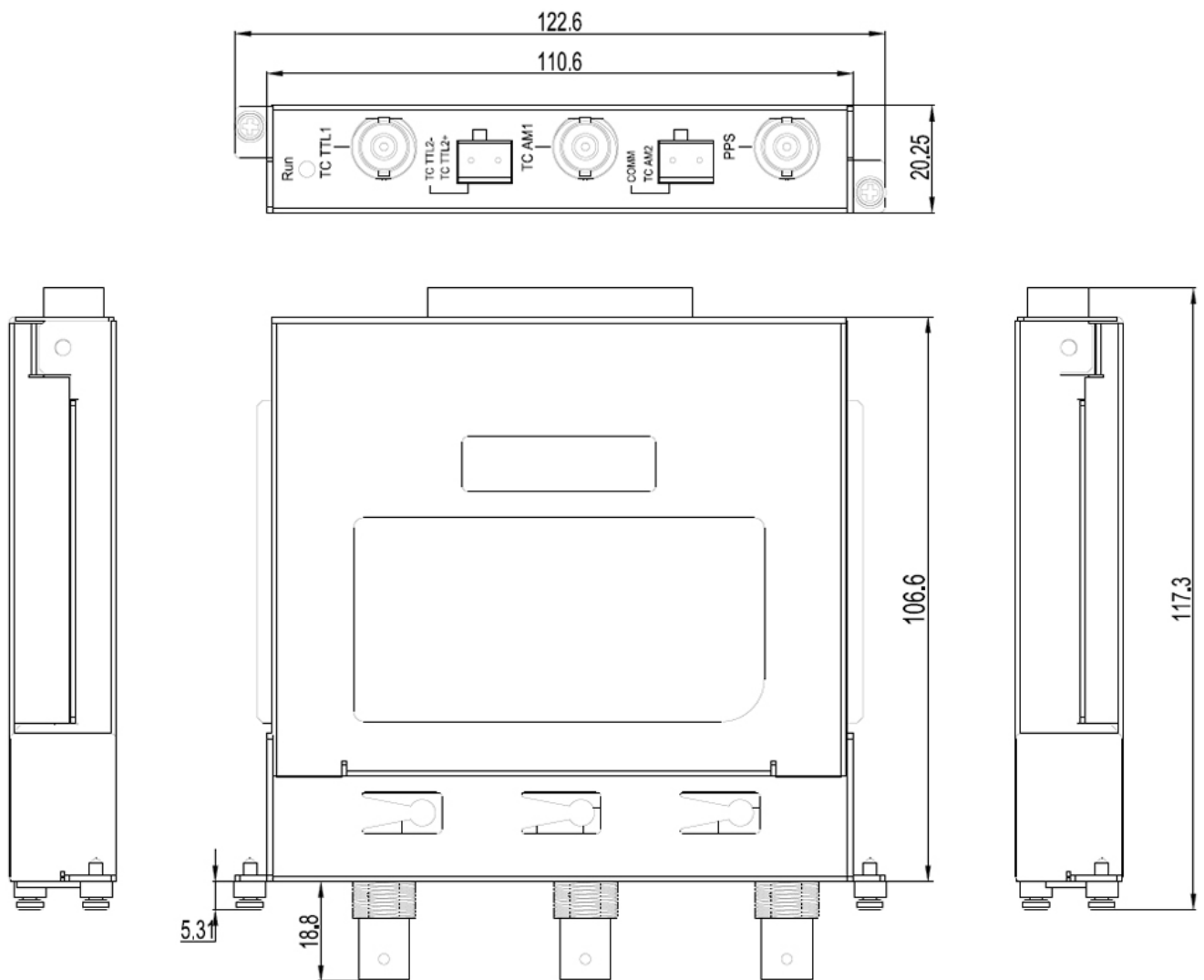
#### **-Quality assurance**

Warranty: 5 years

#### **-Approvals**

CE, FCC

» Mechanical Drawing



» Ordering Information

**SM6.6-PTP-BO-0.5U:** Irig-B module, 2 IRIG-B(DC), 2 IRIG-B(AC), and 1 PPS outputs

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