



IRIG-B BOOSTER AND MULTIPLIER HUB (SIB-1010)

IRIG B Booster – SIB-1010 is used to boost the IRIG-B AM and PWM / TTL signal which is received from the GPS unit. It provides easy and affordable connectivity to substation equipment and power generation and distribution equipment. With this Plug-N-Play unit, you can expand your IRIG B connections to multiple devices instantly. It is rugged and surge-protected equipment. Its cabinet can be mounted directly on a wall, panel or DIN Rail, without the need for additional brackets. It has an inbuilt power supply module, therefore, doing away the need for an external power adapter. It consists of 2 BNC connectors for IRIG B AM and IRIG B PWM inputs and 10 BNC connectors for IRIG-B outputs

FEATURES

- ◊ Accepts the IRIG-B AM & PWM signal received from GPS
- ◊ Industrial grade enclosed in a rugged, rustless and housing
- ◊ DIN-Rail or Wall mounting
- ◊ AM signal amplitude can be adjustable upto 7V
- ◊ LED indications for Power, AM and PWM
- ◊ Supply voltage can be customized
- ◊ Built-in surge protection, static protection and circuit protection
- ◊ Maximum of 10 outputs
- ◊ Either IRIG-B AM or PWM or Both AM & PWM can be boosted

APPLICATIONS

- ◊ Substation
- ◊ Power Generation and Distribution plant

TECHNICAL SPECIFICATION

Power Supply

Standard	85 to 260V AC, 1 ϕ , (47Hz to 63Hz) or 90V to 370V DC
Custom	6V to 72V DC(48V), 18V to 36V DC(24V)72V
Power Consumption	<10W

Input Signal

IRIG B (AM)	Carrier : 1KHz Modulation Ratio : 3:1 Recommended Vin : 1V-7V (p-p)
IRIG B(PWM/TTL)	Logic 0 : 0V+ 250mV Logic 1 : 3V to 5V+10%
Connector	BNC, Female

Note: Either AM or PWM or Both AM & PWM can be the input

Environment

Operating Temp	0° to 50°C
Humidity	95% Non Condensing

Mechanical

Enclosure	DIN Rail/Wall Mountable
Dimension	70mm(H) x 190mm(W) x 200mm(D) \pm 5mm
Weight	<1.5Kg
Protection Class	IP20

IRIG B Output

Amplitude Modulation(AM)	Carrier : 1KHz Unloaded voltage : 0-5V(p-p) Loaded voltage : 0-3V(p-p) 150ohm Maximum Distance : 3Km
Pulse width Modulation (PWM/TTL Level)	Logic 0 : 0V \pm 250mV Logic 1 : 5V \pm 250mV Rise Time : <15ns Maximum Distance : 50m
Number of outputs	10nos Max.
Connector	BNC, 75 Ω , Female

Note:

All 10 outputs are AM for AM booster type
All 10 outputs are PWM/TTL for PWM booster type
Only 5 outputs are AM and 5 outputs are PWM for COMBO booster type

Prices are subject to actual requirements, contact sales for pricing

Product development is continuous process- Specification Subject to change
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