

**Introduction:**

The **IR-316, 1:16 IRIG-B Distribution Unit / IRIG-B Multiplier** with BNC, RS-422 (RJ45) and IRIG-B optical outputs.

The **IR-316, IRIG-B Distribution Unit** is a compact and cost-effective solution to provide up to 16 IRIG-B outputs. IRIG-B Distribution Unit takes one IRIG-B Input to provide up to 16 IRIG-B outputs. The **IR-316, IRIG-B Distribution Unit** is used to multiply 1 x IRIG-B to provide 16 x IRIG-B outputs.



**Features and Highlights:**

- IRIG-B input (BNC)
- Up to 16 IRIG-B Electrical Outputs
- Up to 4 IRIG-B Optical Outputs
- DC or AC Power Supply options.

**Synchronization Inputs:**

Inputs	Number of Inputs	Connector
IRIG-B, Unmodulated	1	BNC

**Outputs:**

Outputs	Number of Outputs	Connector
IRIG-B, Unmodulated	4/8/12/16	BNC
IRIG-B, Unmodulated (RS422)	4/8/12/16	RJ45 (RS422)

**IRIG-B Electrical Output Interface Card**

IRIG-B Output interface	Number of Outputs	Connector
IRIG-B, Unmodulated	4 outputs per card	BNC / RS422
Maximum cards	Up to 4 cards per chassis	BNC / RS422
Maximum outputs	16 outputs per chassis	BNC / RS422

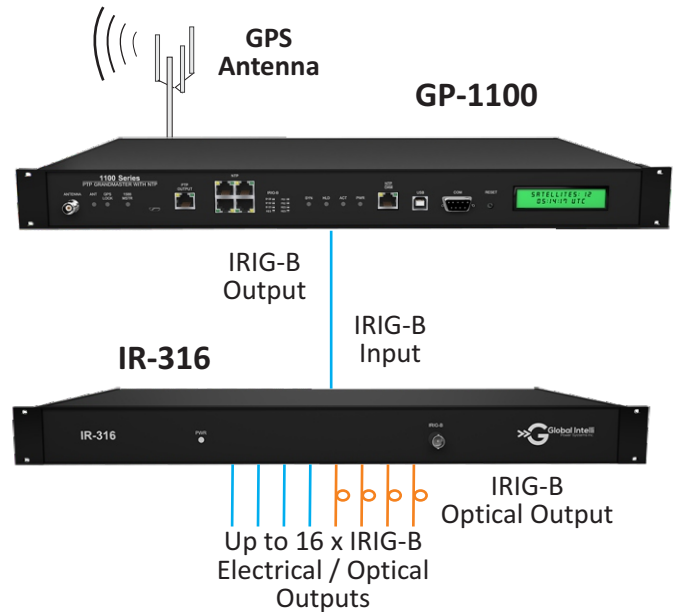
**Optical IRIG-B Interface Card**

Optical IRIG-B Output interface	Number of Outputs	Connector
Optical output	1 output per Card	ST
Maximum cards	Up to 4 cards per chassis	4 x ST
Maximum outputs	Up to 4 outputs per Chassis	4 x ST

**Environmental (Equipment):**

Operational	-10°C to +60°C (Typical: +25°C)
Cold start	0°C
Storage	-40°C to +70°C
Humidity	95% non-condensing
Cooling	Convection Cooled. No cooling fans are required.

**Application Diagram: IR-316**



**Mechanical Specifications:**

H x W x D	90 x 480 x 250 (mm)
Weight	3.0 Kg
Rack Mount:	19" rack mounting options

**Power Consumption:**

- < 10W at ambient (steady state 24°C)

**Power Supply Options:**

- AC (100V AC to 240V AC, 50/60 Hz)
- DC (24 V DC, 48 V DC, 110 V DC to 220 V DC)

**Regulatory Compliance:**

- RoHS
- CE Marking
- Complies to IEEE and IEC standards
- Transportation ETS 300 019 Class 2.3

**Standards & Compliance:**

- IEC - EMC – Certified to EN 55022: 2005 / CISPR 22, EN 55024:2005, IEC 61000-4-2
- CE – 2001/95/EC, 2006/95/EC, EN60950-1, EN61000-6-2, EN61000-6-4
- FCC – FCC Part 15 B Class A: Conducted Emission test on Power Line
- FCC Part 15 B Class A: Radiated Emission >1 GHz FCC, 6 GHz, on Power Line

## Ordering Information

### (Base Unit):

Part No.:	Description
<b>IR-316</b>	IR-316 1:16 IRIG-B Distribution Unit 1 x IRIG-B Input (BNC), 19-Inch, Rack mountable [supports up to 4 x Output Cards] Installation Kit: System Core Cables, Mounting Hardware, Documentation, User Manual

### Add Output Interface (as per User Requirement):

2711-IRIGB-RS422	4 x IRIG-B (RS422) Interface (RJ45) Card (4 Cards (Max) per Chassis)
2488-IRIGB-BNC	4 x IRIG-B Interface (BNC) Card (4 Cards (Max) per Chassis)
2727-IRIGB-OPT	1 x IRIG-B Optical (ST) Card (4 Cards (Max) per Chassis)

### Add Power Supply:

AC	1 x 110-240V AC Power Supply Input
DC024	1 x 24V DC Power Supply Input
DC048	1 x 48V DC Power Supply Input
DC110	1 x 110V DC Power Supply Input
DC220	1 x 220V DC Power Supply Input

Technical specifications are subject to changes without notice.  
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