

1:16 IRIG-B Distribution Unit

Introduction:

The **VCL-2486-I, 1:16 IRIG-B Distribution Unit / IRIG-B Multiplier** with BNC, RS-422 (RJ45) and IRIG-B optical outputs.

The **VCL-2486-I, 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 VCL-2486-I, 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
- IRIG-B Format: B000, B002, B003, B004.

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	Terminal (RS422/RS232)

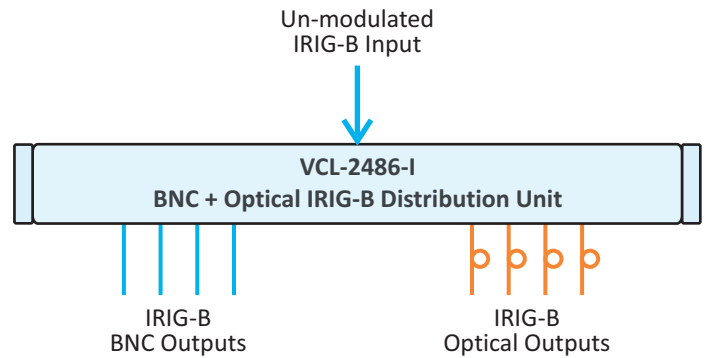
IRIG-B Electrical Output Interface Card

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

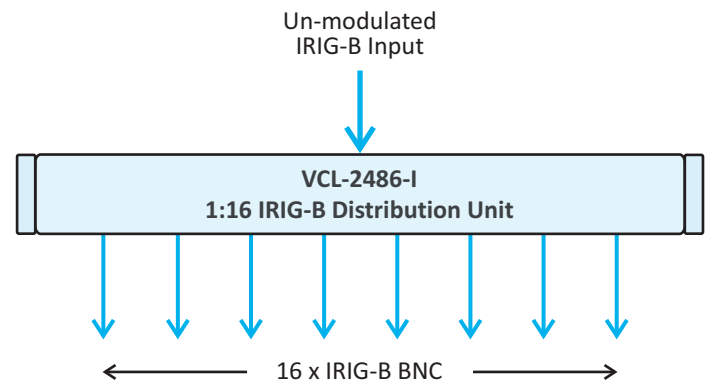
Optical IRIG-B Interface Card

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

Application Diagram:



** Application Diagram: #1 **



** Application Diagram: #2 **

Power Consumption:

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

Power Supply Options:

- AC (100V AC to 240V AC, 50/60 Hz)
- DC (24V DC, 48V DC, 110V DC to 220V 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 55032: 2005 / CISPR 32, 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

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.

Mechanical Specifications:

H x W x D	44 x 485 x 276 (mm)
Weight	2.2 Kg
Rack Mount	19" rack mounting options

Ordering Information (Base Unit):

Part No.:	Description
VCL-2486-I	VCL-2486-I 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):

Part No.:	Description
2444-485	4 Port x Unmodulated IRIG-B [RS485 / RS422] interfaces (8X2 M Terminal Block) (4 Cards (Max) per Chassis)
2447-232	4 Port x Unmodulated IRIG-B [Rs232] interfaces (8X2 M Terminal Block) (4 Cards (Max) per Chassis)
2482-I-BNC	4 x IRIG-B Interface (BNC) Card (4 Cards (Max) per Chassis)
2727-IRIG-B-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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U.K.

Valiant Communications (UK) Ltd
Central House Rear Office
124 High Street, Hampton Hill
Middlesex, TW12 1NS, U.K.

E-mail: gb@valiantcom.com

U.S.A.

Valcomm Technologies Inc.
4000 Ponce de Leon Blvd.,
Suite 470, Coral Gables,
FL 33146, U.S.A.

E-mail: us@valiantcom.com

INDIA

Valiant Communications Limited
71/1, Shivaji Marg,
New Delhi - 110015,
India

E-mail: mail@valiantcom.com