

WHITE RABBIT LEN



The cost effective node to distribute synchronization

It is the competitive White Rabbit alternative capable of supporting daisy chain configurations. It allows a cost effective solution to distribute PPS/10MHz signals or IRIG-B protocol to your equipment.

Optional: 2x μ DB9 connector for PPS & 10MHz fan-out or configurable output triggers.

The following packages are available:

KIT LEN F (Full): It includes three LEN nodes and their interconnection elements.

KIT LEN B (Basic): Includes two LENs (simple tests).

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Technical Specifications

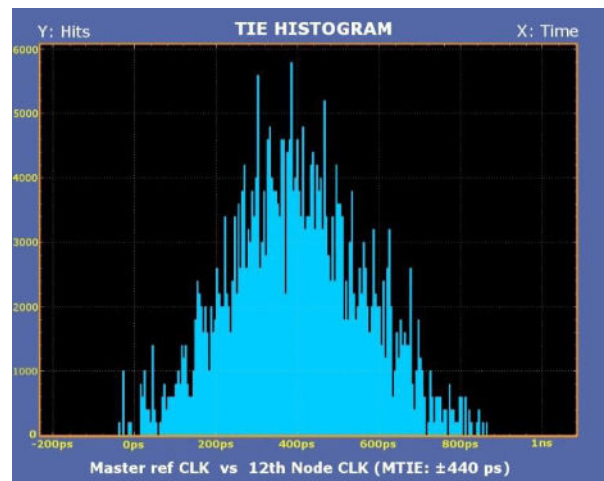
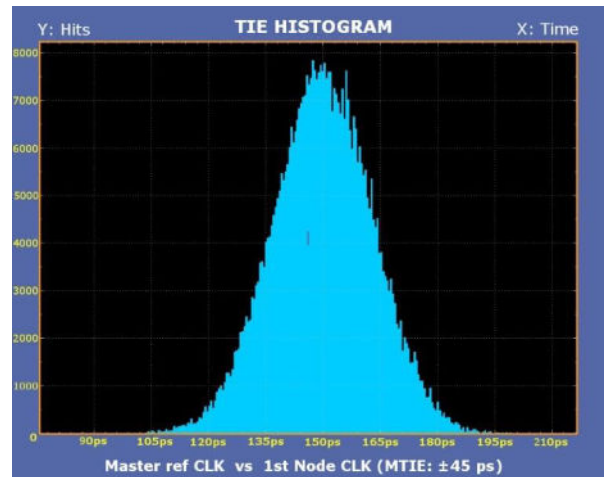
Software Specifications / WR-LEN

| Management ports | |
|--|---|
| 10/100/1000 ETH | Ethernet copper to fiber links data forwarding, node management |
| USB-UART | ToD, management |
| Software | |
| CLI | Command line interface for configuration and status information |
| Timing protocols/interfaces | |
| White-Rabbit | 2 x optical fiber Ethernet 1G interfaces |
| IRIG-B / PPS I/O | Digital LVTTTL (3.3V). Selectable operation |
| Frequency I/O | 10 MHz programmable input/output |
| Certifications | |
| Product | RoHS, FCC, CE, SE |
| Others | ISO-9001, ISO-14001 |
| Physical Specification | |
| Dimension | 54 x 105 x 135 mm |
| Color | Black (Metallic) |
| Power supply | |
| Voltage, current and power | 5V DC, 1.5A - 7.5W max |
| Environmental Conditions | |
| Temperature | -10°C ~ +50°C |
| Humidity | 0% ~ 90% RH |
| Under request extras | |
| 2 x μ DB9 connectors + converters to SMA | PPSs & 10MHz fanout or Configurable output triggers |



| HIGHLIGHTS |
|--|
| Sub-nanosecond time accuracy |
| Compact size |
| Distance range: over 80 km using fiber |
| Dynamic calibration |
| Cost effective |
| Time and frequency distribution |
| Optional fan-out of PPS/10MHz or trigger outputs |

Master reference clock (10MHz) vs Nodes Clock (10 MHz) in a daisy chain configuration



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