



## WHITE RABBIT LEN WR-LEN

It is the competitive WR 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.

The WR-LEN is also available in its OEM version in order to integrate accurate timing synchronization into your product.

**Optional:** 2x $\mu$ -DB9 connector for PPSs & 10MHz fan-out or configurable output triggers.



# Technical Specifications / WR-LEN

## Management ports

<b>10/100/1000 ETH</b>	Ethernet copper to fiber links data retransmission, node management
<b>USB-UART</b>	ToD, management

## Software

<b>CLI</b>	Command line interface for configuration and status information
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## Timing protocols/interfaces

<b>PTPv2 /White-Rabbit</b>	Dual optical fiber Ethernet 1G interfaces
<b>IRIG-B / PPS I/O</b>	Digital LVTTTL (3.3V). Selectable operation
<b>Frequency I/O</b>	10 MHz programmable input/output

## Certifications

<b>Product</b>	RoHS, FCC, CE, SE
<b>Others</b>	ISO-9001, ISO-14001

## Physical Specification

<b>Dimension</b>	54 x 105 x 135 mm
<b>Color</b>	Black (Metallic)

## Power supply

<b>Voltage, current and power</b>	5V DC, 1.5A - 7.5W max
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## Environmental Conditions

<b>Temperature</b>	-10°C ~ +50°C
<b>Humidity</b>	0% ~ 90% RH

## Under request extras

<b>2 x <math>\mu</math>DB9 connectors + converters to SMA</b>	PPS & 10MHz fanout or Configurable output triggers
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## 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

\* Available in its OEM version!

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

