It is the Seven Solutions 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: 2xµ-DB9 connector for PPSs & 10MHz fan-out or configurable output triggers.
## Technical Specifications / WR-LEN

<table>
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<tr>
<th>Management ports</th>
<th>10/100/1000 ETH</th>
<th>Ethernet copper to fiber links data retransmission, node management</th>
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</thead>
<tbody>
<tr>
<td>USB-UART</td>
<td>ToD, management</td>
<td></td>
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</table>

### Software

- CLI: Command line interface for configuration and status information

### Timing protocols/interfaces

- **PTPv2 / White-Rabbit**: Dual optical fiber Ethernet 1G interfaces
- **IRIG-B / PPS I/O**: Digital LVTTL (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 μDB9 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

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

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