FEATURES

- Synchronizes PC to ± 2 milliseconds of GPS reference
- Provides millisecond accuracy to Windows applications
- Microsecond accuracy achievable through API development
- Fully configurable time zone and daylight saving time offsets
- PCIe revision 2.0 — slot compatible X1 through X16
- LED status indicator

SPECIFICATIONS

Holdover Accuracy
> With loss of power or time reference synchronization, device reverts to an internal battery-backed real-time clock chip with accuracy of ±1 min/year

Supported Drivers
> Windows XP (32 bit)
> Windows 7/8/10 (32 & 64 bit)
> Linux

Software
> API software development kit and documentation is provided for designers
> Windows OS requires Net Framework 4.0 and a Windows Visual Studios C++ to be installed

Physical
> Length: 6.6 in (167.6 mm), Height: 2.712 in (68.8 mm)
> Low profile card and bracket standard; Full height bracket included

Operating Parameters
> Temperature: 0 to 60 °C

Compliance
> FCC, CE Marked, ROHS, ANSI

Antenna Options
> Basic antenna package includes magnetic GPS antenna and 15 ft (5 m) of cable
> Standard antenna package includes outdoor GPS antenna, mounting kit, and 50 ft (15 m) of cable

High-stability Oscillator Options
> HSO-1 with TCXO provides accuracy of ± 3 seconds/year
> HSO-2 with OCXO provides typical stability of ± 250 ms/year after 30 days of aging

<table>
<thead>
<tr>
<th>Freq = 10 Mhz</th>
<th>HSO-1</th>
<th>HSO-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oscillator Type</td>
<td>TCXO</td>
<td>OCXO</td>
</tr>
<tr>
<td>Freq. Stability</td>
<td>± 2.5 x 10^-6</td>
<td>± 5 x 10^-9</td>
</tr>
<tr>
<td>Aging Stability per yr</td>
<td>± 1 x 10^-6</td>
<td>± 1 x 10^-8</td>
</tr>
<tr>
<td>Drift per year</td>
<td>± 3 seconds</td>
<td>± 0.3 seconds</td>
</tr>
</tbody>
</table>