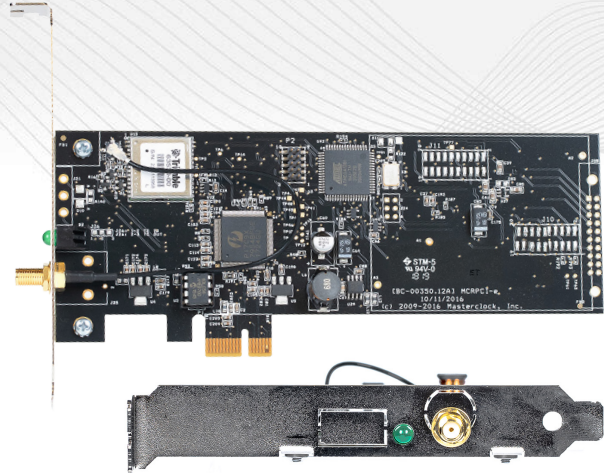## Standard Features

- Synchronizes PC to ± 2 milliseconds of GPS reference
- Provides millisecond accuracy to Windows applications
- 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 syncronization, device reverts to an internal battery-backed real-time clock chip with accuracy of ±1min/year

SUPPORTED DRIVERS

- Windows XP (32 bit)
- Windows 7/8/10 (32 & 64 bit)
- Windows Server 2003 R2/2008 R2/2010 R2/2012 R2/2016
- 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
- MTBF: 1,570,000
  All calculated using Fixed/Ground Mil HDBK 217F assumption

COMPLIANCE

- FCC, ROHS, CE Marked, ANSI

ANTENNA OPTIONS

- Basic antenna package includes magnetic GPS antenna and 15 ft (5 m) of cable
- Standard anttenna 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 OXCO provides typical stability of ± 250ms/year after 30 days of aging

Freq = 10 Mhz	HSO-1	HSO-2
Oscilator Type	TCX0	0CX0
Freq. Stability	± 2.5 x 10`6	± 5 x 10`9
Aging Stability per yr	± 1 x 10`6	± 1 x 10`8
Drift per year	± 3 seconds	± 0.3 seconds