**Acutime™360 Multi-GNSS Smart Antenna**

**Multi-GNSS Smart Antenna**

The Trimble® Acutime™360 Multi-GNSS (GPS, GLONASS, Beidou, Galileo-ready) smart antenna is the latest Acutime product of integrated GNSS technology in a rugged and weatherproof self-contained unit.

The Acutime™360 is an integrated pipe thread-mounted multi-GNSS receiver, antenna and power supply solution in a single environmentally sealed easy to install enclosure.

**Power Efficiency & Performance**

The Acutime™360 Multi-GNSS smart antenna requires less than 1 Watt to operate. Once power is applied, the Acutime™360 smart antenna automatically tracks satellites and surveys its position to within meters. It then switches to overdetermined time mode and generates a pulse-per-second (PPS) output synchronized to UTC within 15 nanoseconds (one sigma), outputting a time tag for each pulse.

**Acutime™360 Starter Kit Option**

The Acutime™360 Starter Kit makes it easy to evaluate the exceptional performance of this multi-GNSS smart antenna and integrate advanced technology into your system.

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**KEY FEATURES**

- Multi-Constellation
- Simultaneous GPS / GLONASS or GPS / Beidou tracking
- Superior sensitivity
  - Tracking -160dBm
  - Acquisition-148dBm (cold)
- Weatherproof and corrosion resistant housing
- Extended temperature range (-40°C / +85°C)
ACUTIME™ 360 MULTI-GNSS SMART ANTENNA

GENERAL SPECIFICATIONS
Receiving Signal: GPS, GLONASS, Galileo¹, Beidou Positioning System: SPS, Timing
1 PPS Timing Accuracy: 15 ns (1 sigma)
Update Rate: 1 Hz
Typical Min Acq Sensitivity: -148dBm cold start
Typical Min Tracking Sensitivity: -160dBm
Time to First Fix: <46s (50%), <50s (90%) cold start
Typical Time to Re-acquisition: <2s (90%)
Accuracy Horizontal Position: <6m (50%), <9m (90%)
Accuracy Vertical Position: <11m (50%), <18m (90%)

¹ Hardware ready: a firmware update is required to enable the Galileo constellation.
² The performance criteria and times given for TTFF & reacquisition are with GPS satellites in the constellation set.

INTERFACE CHARACTERISTICS
Serial Port: 2 serial port
Protocols: TSIP, NMEA 0183
All ports support baud rates 4.8-115.2kbps; 8 data bits; E, O or no parity.

ELECTRICAL CHARACTERISTICS
Power: +5VDC to +36VDC, reverse polarity protection
Power Consumption: <1.0 Watt

ENVIRONMENTAL SPECIFICATIONS
Operating Temperature: -40°C to +85°C
Operating Humidity: 5%-95% RH non-condensing (+60°C)
Storage Temperature: -55°C to +105°C
Ingress Protection: IP67
EMC: CE, FCC Class B

PHYSICAL CHARACTERISTICS
Dimensions: 95mm x 72.5mm (3.74” D x 2.85” H)
Weight: 5.4oz (154grams)
Connector: 12-pin round, waterproof
Mounting: 1”-14 straight thread or ¾” pipe thread

Visit www.trimble.com/timing for part numbers and information about where to buy.

Parts of the product are patent protected.

Trimble has relied on representations made by its suppliers in certifying this product as RoHS-II compliant.

Specifications subject to change without notice.

Trimble Navigation Limited is not responsible for the operation or failure of operation of GPS satellites or the availability of GPS satellite signal.