



## SynTRAC™ PLG Development Platform Product Summary

Syndesy Technologies, Inc. provides IoT solutions to meet the needs of every customer. From initial design to final quality assurance processes, we make sure our goods are reliable and exceptional. We are proud to design and manufacture in the U.S.A.



### PRODUCT DESCRIPTION

SynTRAC™ PLG is a member of the SynTRAC™PLx family of IoT communication devices which enable solutions providers, OEMs and others to harness the potential of the Internet of Things, making their products connected end devices.

SynTRAC™ PLG is a multi-region 2G communications and tracking development platform. It features multi-GNSS satellite navigation technology, supporting in parallel GPS, GLONASS, Galileo, BeiDou, as well as QZSS. SynTRAC™ PLG incorporates sophisticated power saving algorithms to last longer on a single battery charge than other systems.



Made in the U.S.A.

## PRODUCT INFORMATION

<b>Technology</b>	Multi-region 2G, Quad-band, GSM, GPRS, 850, 900, 1800, 1900 MHz
<b>FOTA</b>	Via UART
<b>GNSS Chipset</b>	72-channel u-blox® UBX-M8 multi-GNSS receiver (or similar)
<b>GNSS Systems</b>	GPS, Galileo, GLONASS, BeiDou (concurrent 3 out of 4); SBAS (WAAS, EGNOS, QZSS)
<b>Indoor Positioning</b>	Hybrid Positioning and CellLocate®
<b>GNSS Tracking Sensitivity</b>	-167 dBm (manufacturer's spec)
<b>Accuracy</b>	< 2.5m CEP (manufacturer's spec)
<b>Update Rate</b>	Every 10 minutes when in motion (default); configurable from 1/sec to 1/day
<b>Operating Temperature</b>	-40 ° C to +75 ° C
<b>Dimensions</b>	< 80x43x12 mm3 (smaller than a credit card)
<b>Connectors</b>	Atmel ICE (6 pin); Micro USB
<b>Certifications</b>	FCC, IC
<b>Part Number</b>	<b>Description</b>
<b>SynTRAC™ PLG-450</b>	Multi-region 2G

## CONTACT US



+1 (703) 880-6300



info@syndesyttech.com



www.syndesyttech.com



21670 Red Rum Dr, Suite 159,  
Ashburn, VA 20147