



SynTRAC™ PL1 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™ PL1 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™ PL1 is a 4G LTE Cat 1 and 3G HSPA communications and tracking development platform. It features multi-GNSS satellite navigation technology, supporting in parallel GPS, GLONASS, Galileo, BeiDou, as well as QZSS. SynTRAC™ PL1 incorporates sophisticated power saving algorithms to last longer on a single battery charge than other systems.



Made in the U.S.A.

PRODUCT INFORMATION

Technology	4G LTE Cat 1; 3G HSPA; 2,4,5,12,13, 17/ 850, 1900 MHz; for AT&T, T- Mobile, Rogers
FOTA	Modem firmware update over the air
GNSS Chipset	72-channel u-blox® UBX-M8 multi-GNSS receiver (or similar)
GNSS Systems	GPS, Galileo, GLONASS, BeiDou (concurrent 3 out of 4); SBAS (WAAS, EGNOS, QZSS)
Indoor Positioning	Hybrid Positioning and CellLocate®
GNSS Tracking Sensitivity	-167 dBm (manufacturer’s spec)
Accuracy	< 2.5m CEP (manufacturer’s spec)
Update Rate	Every 10 minutes when in motion (default); configurable from 1/sec to 1/day
Voice Over (Optional)	Voice-over-LTE (VoLTE), digital circuit-switched (3G)
Operating Temperature	-40 ° C to +85 ° C
Dimensions	< 80x43x12 mm3 (smaller than a credit card)
Connectors	Atmel ICE (6 pin); Micro USB
Certifications	FCC, IC, PTCRB, AT&T (in process), T-Mobile (in process), Rogers (in process), Verizon (in process)
Part Number	Description
SynTRAC™ PL1-200	LTE Cat 1 for US (AT&T, TMO); global 3G and 2G
SynTRAC™ PL1-202	LTE Cat 1, 3G for US (AT&T, TMO); no 2G
SynTRAC™ PL1-204	LTE Cat 1 only for US (Verizon) B4,13

CONTACT US



+1 (703) 880-6300



info@syndesyttech.com



www.syndesyttech.com



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