

SynTRAC™ PLx Series- Product Variants



Physical
Size [mm3]
Connectors
Access Technology
Regions
Carriers
Band data rates
LTE Band
Frequency (MHz)
Positioning
Hybrid Positioning
CellLocate®
GNSS Chipset
GNSS System
GNSS Tracking Sensitivity
Accuracy
Features
FOTA
FW update via UART
Operating Temp -40 ° C to +85 ° C
Accelerometer
Update rate
Environments
AT Commands (currently available)
FreeRTOS (available with FW update)
Certifications
FCC
ISED
NCC
RED
RCM
GFC
ICASA
SRRC/CCC
Anatel
PTCRB

4G LTE Cat 1 modules			4G LTE Cat M1 modules		2G modules
SynTRAC™ PL1-202	SynTRAC™ PL1-200	SynTRAC™ PL1-204	SynTRAC™ PLM-410	SynTRAC™ PLM-412	SynTRAC™ PLG-450
< 80x45x12					
Atmel ICE (6 pin); Micro USB					
N. America	N. America	N. America	Multi-Region	Multi-Region	Multi-Region
Vodafone T-Mobile AT&T	Vodafone T-Mobile AT&T	Verizon	Vodafone T-Mobile AT&T Verizon	Vodafone T-Mobile AT&T	Vodafone
4G LTE Cat 1/3G	4G LTE Cat 1/ 3G/2G	4G LTE Cat 1	4G LTE Cat M1/ 4G LTE Cat NB1	4G LTE Cat M1/ 4G LTE Cat NB1/2G	2G Global
2,4,5,12	2,4,5,12	4,13	1*,2, 3, 4, 5, 8, 12, 13, 20, 26*,28	2,3,4,5,8,12,13,20, 26*,28*	
850, 1900	850, 900, 1900, 2100			850, 900, 1800, 1900	850, 900, 1800, 1900
•	•	○	○	○	○
•	•	○	○	○	○
72-channel u-blox® UBX-M8 multi-GNSS receiver (or similar)					
GPS, Galileo, GLONASS, BeiDou (concurrent 3 out of 4); SBAS (WAAS, EGNOS, QZSS)					
(-167) dBm (manufacturer's spec)					
< 2.5m CEP (manufacturer's spec)					
•	•	•	•	•	○
					•
•	•	•	•	•	•
3 Axis 3G					
Every 10 minutes when in motion (default); configurable from 1/sec to 1/day * only applicable for Tracking Firmware					
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	N/A
•	•	•	•	•	N/A
N/A	N/A	N/A	•	N/A	N/A
N/A	•	N/A	•	•	•
N/A	N/A	N/A	•	N/A	N/A
N/A	N/A	•	•	N/A	•
NA	N/A	N/A	N/A	N/A	•
N/A	N/A	N/A	N/A	N/A	•
N/A	N/A	N/A	N/A	N/A	•
•	▪	▪	▪	▪	N/A

○ = Dependent on FW version

*=Roaming LTE Band

▪ = Certification in process