



The APS-3G delivers multi-frequency GPS/GLONASS/Galileo satellite technology within the same form factor as the APS-3

Integrated with a matching wide band GNSS antenna, the APS-3G provides simultaneous high-quality GPS, GLONASS and Galileo tracking together with a digital UHF radio and GSM/GPRS.

Besides GNSS modernization, the APS-3G also includes a range of innovative features, such as the patented Galileo AltBOC tracking, the advanced multipath mitigation algorithm APME, LOCK+tracking for exceptional tracking stability under high vibration conditions, RTK+ for extended RTK baselines and faster initialization, and AIM+, Septentrio's Advanced Interference Mitigation technology.

For ease of use and simplicity, the APS-3G is completely configurable from the data collector via Bluetooth for either Base or Rover operation with the internal UHF radio, or Network Rover operation with the internal cellular modem.

FEATURES

- ▶ 136 Channel GPS, GLONASS, GALILEO & BeiDou Upgrade
- ▶ Integrated 3.5 G cellular modem, Tri-Band HSPA, Quad-Band GSM/GPRS/EDGE
- ▶ Integrated Digital UHF transceiver, 406-470 MHz
- ▶ Integrated Bluetooth
- ▶ Dual Hot-Swap Li-Ion Batteries with Fuel Gauge
- ▶ Removable min.2 GB SD Card storage

With Altus's open architecture philosophy, the user has the choice of data collector software from MicroSurvey FIELDGenius or Carlson SurvCE to custom software.

Product	GPS	GLONASS	GALILEO	UHF Radio	GSM/GPRS or CDMA	Ext.Ant.Port
APS-3 G	✓	✓	✓	✓	✓	
APS-3 Gm	✓	✓	✓		✓	
APS-3 Gx	✓	✓	✓	✓	✓	✓

The APS-3G is Simply Better Value by Design.

GNSS precision and reliability are subject to anomalies due to multipath, obstructions, satellite geometry, and atmospheric conditions. Contact Altus for more information. Specifications are subject to change without notice.

SPECIFICATIONS

Channels	136
GPS	L1/L2/L2C/L5
GLONASS	L1/L2
GALILEO	L1/E5a/E5b
BeiDou	B1/B2/B3
SBAS	WAAS, EGNOS,
Standalone	H: 1.3 m, V: 1.9 m
SBAS	H: 0.6 m, V: 0.8 m
DGPS	H: 0.50 m, V: 0.90 m
RTK	H: 0.6 cm + 0.5 ppm, V: 1 cm + 1 ppm
Static	H: 2 mm + 0.5 ppm, V: 5 mm + 0.5 ppm
Output Rate	25 Hz
Measurement Rate	25 Hz
Latency	<20 msec
Average Time To Fixed RTK	<7 sec
Cold Start	<45 sec
Warm Start	<20 sec
Re-acquisition	<1.2 sec
Integrated UHF Radio	406 to 470 MHz
Integrated Cellular Modem	3.5 G HSPA Modem, HSDPA 7.2 Mbps, GPRS multi-slot class 12, EDGE (E-GPRS) multi-slot class 12, UMTS/HSPA 850/1900/2100 MHz, Quad-Band GSM 850/900/1800/1900 MHz
Integrated Bluetooth	Class 2
Memory Storage	2 GB SD card minimum, removable
User Interface	Power/Reset/Logging, Data Collector or PC
Serial Ports	2 Lemo
Waterproofing	IP67
Certification	CE, FCC Class B Part 15
Internal Battery	2 x Li-Ion, 5000 mAh, 7.4V
Current Drain	1.0 to 1.5A, 2.75A peak
External Power Input	9 to 18 VDC, Lemo
Weight	1.3 kg
Dimensions	178 mm Dia. X 89.7 mm
Operating Temperature	-20 to +65 degrees C
Storage Temperature	-40 to +75 degrees C
Shock/Drop	2 m



Each APS-3G is delivered with 2 x Li-Ion hot swappable batteries, a 2-Bay Battery Charger, a serial cable & power cable. The APS-3G is ready to use direct from the shipping case.

