

APS-3

The APS-3 is a high precision satellite receiver and communications unit specifically designed for the surveying market.

Integrated with state-of-the-art technology, the APS-3 provides surveyors with high productivity, performance and flexibility.

GPS + GLONASS RTK is delivered in a small and light design for ultra portability. The APS-3 has integrated wireless options that include a GSM/GPRS or CDMA modem for easy Real Time Network connection, and a digital UHF transceiver for Base/Rover operation on demand.

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

FEATURES

- 136 Channel GPS + GLONASS receiver
- Integrated Quad-Band GSM/GPRS Modem or CDMA Modem
- Integrated 406-470 MHz Digital UHF transceiver
- 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 a choice of data collector software including MicroSurvey FIELDGenius and Carlson SurvCE, or custom software.

Rugged field computers are used to communicate with the APS-3 via Bluetooth for a cable free operation. Furthermore, the APS-3 houses two hot swappable Li-Ion batteries for continuous operation. Re-charging is done within a few hours with the included charger.

PRODUCT	GPS	GLONASS	UHF Radio	GSM/GPRS or CDMA	Ext. Ant. Port
APS-3u	✓	✓	✓	✓	
APS-3m	✓	✓		✓	
APS-3x	✓	✓	✓	✓	✓

The APS-3 is Simply Better Value by Design.



SPECIFICATIONS

	APS-3
Channels	136
GPS	L1/L2/L2C
GLONASS	L1/L2
SBAS	WAAS, EGNOS
Standalone	1.3 m H, 1.9 m V
SBAS	0.6 m H, 0.8 m V
DGPS	0.5 m H, 0.9 m V
RTK	1 cm + 1 ppm H 2 cm + 1 ppm V
Static	2 mm + 0.5 ppm H 5 mm + 0.5 ppm V
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	406-470 MHz
Integrated Cellular Modem	GSM/GPRS Quad-Band or CDMA
Integrated Bluetooth	Class 2
Memory	Min. 2 GB SD Card, 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 1.5 A, 2.75 A 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 deg C
Storage Temperature	-40 to +75 deg C
Shock/Drop	2 m

Specifications are typical and subject to change without prior notice.

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