



APS-NR2



The APS-NR2 incorporates leading GNSS technology and wireless capabilities into a sleek design to provide a Network Rover with on-board configuration and extended operation time.

Based on a low power and small footprint OEM GNSS receiver, the APS-NR2 offers robust RTK while consuming less power for longer operation time on battery power in addition to its small and lightweight design.

For ease of configuration and status monitoring, the APS-NR2 features an on-board web interface accessible via Wi-Fi. This makes the APS-NR2 configurable from any device that has a browser and Wi-Fi, and with any operating system. Real time data is streamed over Bluetooth for a completely cable free operation.

A 3.5G Quad-band GSM/GPRS/EDGE + HSPA cellular modem supports reliable RTK network connectivity with an intelligent re-connect feature for automated operation.

The modern design also includes on-board USB battery recharge in addition to standard Li-Ion battery chargers and USB cable interface.

FEATURES

- ▶ 132 Channel GPS + GLONASS + SBAS receiver
- ▶ Integrated Quad-Band GSM/GPRS/EDGE + HSPA Modem
- ▶ Integrated Wi-Fi
- ▶ Integrated Bluetooth
- ▶ Web Interface configuration
- ▶ Two Hot-Swap Li-Ion Batteries
- ▶ Onboard 8 GB memory

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

The APS-NR2 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	132
GPS	L1/L2/L2C
GLONASS	L1/L2
SBAS	WAAS, EGNOS,
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
Latency	<20 msec
Average Time To Fixed RTK	<7 sec
Cold Start	<45 sec
Warm Start	<20 sec
Re-acquisition	<1.2 sec
Integrated Cellular Modem	Quad Band GSM/GPRS/EDGE 850/900/1800/1900 MHz Tri-Band UMTS HSPA 850/1900/2100
Integrated Bluetooth	Class 2
Memory Storage	8 GB, internal
User Interface	LED Panel: Power On/off, Wi-Fi On/Off Browser via Wi-Fi Command & data via Bluetooth
USB Ports	1 x 9-pin Lemo
Waterproofing	IP67
Certification	CE, FCC Class B Part 15
Internal Battery	2x3400mAh
Current Drain	1.0 to 1.5A, peak 3.5A
External Power Input	9 – 30 VDC
Weight	0.7 kg
Dimensions	167 mm Dia. X 69 mm
Operating Temperature	-40 to +85 degrees C
Storage Temperature	-40 to +85 degrees C
Shock/Drop	2 m



Each APS-NR2 is delivered with 2 x Li-Ion hot swappable batteries, a 2-Bay Battery Charger, a USB/ power cable. The APS-NR2 is ready to use direct from the shipping case.