COMPACT ENCLOSURE DELIVERS SCALABLE POSITIONING PERFORMANCE WITH INTERNAL STORAGE

FUTURE PROOFED SCALABILITY
Capable of tracking all present and upcoming Global Navigation Satellite System (GNSS) constellations and satellite signals, the PwrPak7 is a robust, high precision receiver that is software upgradeable in the field to provide the custom performance required for your application.

BASE STATION OR ROVER
Compact and lightweight, the PwrPak7 is well suited for base or rover applications. It has a powerful OEM7® GNSS engine inside and offers built in Wi-Fi, on board NTRIP client and server support and 16 GB of internal storage. It also has enhanced connection options including serial, USB, CAN and Ethernet.

PRECISE THINKING MAKES IT POSSIBLE
Developed for efficient and rapid integration, our GNSS products have set the standard in quality and performance for over 20 years. State-of-the-art, lean manufacturing facilities in our North American headquarters produce the industry’s most extensive line of OEM receivers, antennas and subsystems. All of our products are backed by a team of highly skilled design and customer support engineers, ready to answer your integration questions.

FEATURES
+ 555 channel, all-constellation, multi-frequency positioning solution
+ TerraStar® correction services supported over multi-channel L-Band and IP connections
+ Multiple communication interfaces for easy integration and installation
+ Built-in Wi-Fi support
+ 16 GB of internal storage
+ SPAN® INS functionality

If you require more information about our enclosures, visit www.novatel.com/products/gnss-receivers/enclosures/
Velocity Limit: 515 m/s

Environmental

Temperature
Operating: -40°C to +75°C
Storage: -40°C to +85°C

Humidity: 95% non-condensing

Ingress Protection Rating: IP67

Vibration (operating)
Random: MIL-STD-810G(CH1), Method 514.7, Category 24, 20 g RMS
Sinusoidal: IEC 60068-2-6

Acceleration (operating)
MIL-STD-810G(CH1), Method 513.7, Procedure II (16g)

Bump (operating)
IEC 60068-2-27 (25 g)

Shock (operating)
MIL-STD-810G(CH1), Method 513.7, Procedure II, 40 g, 11 ms terminal sawtooth

Compliance
FCC, ISED, CE and Global Type Approvals

Features
- NovAtel® OEM7 positioning engine
- Standard 16 GB internal storage
- Support for logging to external USB storage device
- Built-in Wi-Fi support
- Optional integrated Epson IMU
- Web GUI

Firmware Solutions
- ALIGN®
- SPAN®
- RTK
- RTK ASSIST™
- TerraStar PPP
- API

Included Accessories
- Power cable
- USB cable
- DSUB HD26 to DB9 RS-232 cable

Optional Accessories
- Full breakout cable for DSUB HD26 connector
- DSUB HD26 to M12 IMU cable
- RJ45 Ethernet cable
- VEXXIS® GNSS-500 and GNSS-800 series antennas
- Compact GNSS antennas
- GrafNav/GrafNet®
- Inertial Explorer®
- NovAtel Connect

Hardware Options
PwrPak7M no Wi-Fi, no 16 GB internal storage

For the most recent details of this product: www.novatel.com/products/gnss-receivers/enclosures/pwrpak7

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Specifications subject to change without notice.
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1 Typical values. Performance specifications subject to GNSS system characteristics, Signal-in-Space (SIS) operational degradation, ionospheric and tropospheric conditions, satellite geometry, baseline length, multipath effects and the presence of intentional or unintentional interference sources.
2 Hardware ready for L3 and L5.
3 0.1 hz and 0.01 hz support only.
4 GPS only.
5 Requires a subscription to a TerraStar data service. Subscriptions available from NovAtel.
6 Typical value. Almanacs and ephemerides are not updated between transmissions.
7 Typical value. Almanacs and ephemerides saved and approximate position and time entered.
8 Typical value. No almanac or ephemerides and no approximate position or time.
9 Export licensing restricts operation to a maximum of 515 meters per second, message output impacted above 500 m/s.
10 Typical value. Consult the OEM7 User Documentation for power supply considerations.