Cellular Modem Summary

357 Beth Bartel October 28, 2009 Cellular 3298

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Cellular modems need to be very robust as the inherent disadvantages of the analog cellular phone system become especially evident with high speed data transfers. Cellular coverage could be of a quality not compatible with high speed data transfers and handshaking protocols. Often more than one cellular provider offers coverage in an area and it is worthwhile to investigate several options. A good voice communication does not translate into an acceptable data communication. Your choice of cellular modem and cellular phone should be able to run off 12VDC, even if AC power is available, to facilitate DC (battery) backup.

Suggested Minimum Requirements

- 12 VDC power
- V.32, V.32bis communication protocols
- V.42, MNP error correction/data compression
- RTS/CTS hardware flow control
- High speed baud rates (2.4-19.2 kbps)
- Compatible with CCITT and Bell standards
- Support industry-standard AT command set
- Compatible with RS-232 Control Signals

Information on radio modems used by UNAVCO

Proxicast LANCell Gateway



Used throughout the Plate Boundary Observatory (PBO) network, Western U.S.

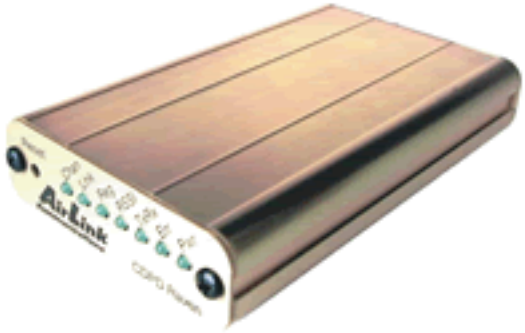
- UNAVCO summary of Proxicast cellular modems and networking

ZyXEL U-1496P



- ZyXEL U-1496P Portable Cellular Modem Summary Page

Raven II CDPD



- How to use the Raven II CDPD modem with the Lantronix MSS100 serial-to-ethernet device

Send questions or comments to Support (support@unavco.org)

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