

Data Link for Remote Communications

Pacific Crest has introduced the ADL Sentry, a UHF radio for remote communications. It is an advanced, high-speed, data radio modem built to survive the demanding environments of remote sensing and environmental monitoring. The ADL Sentry joins the growing Advanced Data Link (ADL) product line that includes the ADL Foundation, a transceiver OEM modem board; the ADL RXO, a receive-only OEM board; and the ADL Vantage, a 4-Watt programmable UHF radio for survey applications.

The ADL Sentry is a sophisticated 0.1-4.0 Watt radio modem that utilises the company's next generation ADL technology. It is backward compatible with existing Pacific Crest, Trimble and other products. Using metal construction, the ADL Sentry resists impacts and electromagnetic interference. With an IP67 rating, it is completely sealed against dust and can survive immersion in up to a meter of water for approximately 30 minutes to withstand harsh weather and demanding outdoor conditions. The ADL Sentry is ideal for remote sensing, machine control, and environmental monitoring applications.

The ADL Sentry is available in two 40MHz frequency bands (390-430 and 430-470MHz) to cover the entire commercial UHF band without sacrificing radio performance. It also allows the user to select from available channel tables in either 12.5 or 25 kHz channel bandwidth. With its high over-the-air link rate and next generation RF design, the ADL Sentry offers higher bit rates to easily handle large data packets and configuration control commands on the same channel.

<https://www.gim-international.com/content/news/data-link-for-remote-communications>
