



CDR20 is a compact, standalone, highly reliable data receiver board, primarily designed for industrial DAB applications. The receiver performs the entire DAB data service decoding. No further processing of received data is required on the target system. This enables the target system to handle the DAB transmission chain transparently, just like a cable or a modem interconnection.

Onboard monitoring within the receiver ensures failsafe operation by permanently watching the system and the data service, and by applying auto-recovery measures when necessary.

The receiver is built around Frontier Silicon's 'Diablo'[™] DAB module, thus combining excellent reception characteristics with low power consumption. Data service decoding is performed by specifically developed code which runs on the DAB module's CPU. There is sufficient CPU power left to implement new or application-specific code without changing the hardware. Firmware upgrade is possible via the receiver's interfaces or even via the DAB data service.

A Windows application is available for receiver setup, firmware upgrade and data service monitoring.

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