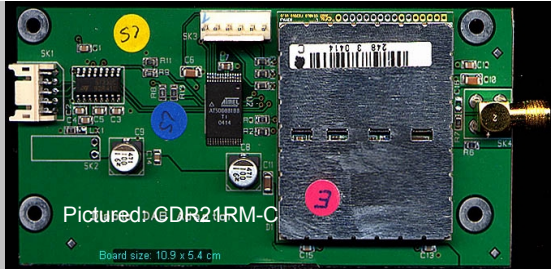


CDR21 is a compact, low-cost, standalone, highly reliable data receiver board, primarily designed for industrial DAB applications. The receiver performs full DAB data service decoding. No further processing of the received data is required on the target system. The on-board CPU has free resources for custom code, e.g. to handle interface protocols or to perform specific processing.



Technical Data

Frequency range:
Band III: 174 – 240 MHz
L Band: 1452 – 1492 MHz

DAB services:
Packet Mode, PAD, FIC/FIDC, streaming, TII

On-board data decoders:
MOT incl. file server, TDC, UDP-IP, TMC

On-board data RAM:
8MB to 32MB

Ratings:
Battery variant: 3.3V to 5V, typ. 4.8V 170mA
DC variant: 5V, 160mA

Operating temperature range:
0°C to +65°C (commercial variant)
-40°C to +85°C (industrial variant)

Output:
RS-232, up to 115.200 bps, optionally USB

Dimensions:
Approx. 120 x 64 x 10 mm

Contact us for full product details or
evaluation boards.

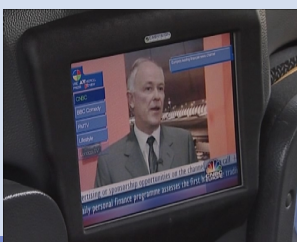
Features

- Receives DAB data services and performs onboard service decoding (e.g. MOT).
- Supports all DAB transmission channels.
- Seamless interfacing to hosts and display units.
- Minimalistic hardware due to powerful software.
- Same board can be used for various DAB data applications.
- Codespace for customer-specific features.
- Failsafe operation by on-board data service monitoring and system self-monitoring.
- Supports individual addressing (wire replacement).
- Realtime status information, event and error log.
- Powered by Frontier Silicon's 'Chorus'™ CPU.
- Battery powered variant available (with charger electronics on board).
- Comprehensive configuration tool for Windows™.
- No DAB knowledge required.

Applications

- Mobile data services (vehicles, portables)
- Electronic displays and billboards
- Differential GPS
- Traffic telematics (TPEG, TMC, MOT/HTML)
- Public transportation:
 - Passenger information in vehicles or at stops
 - Multimedia infotainment
 - Announcements, security
- Remote control via DAB networks:
 - Dynamic traffic signs
 - Parking information
 - Alerting
 - Lighting
- DAB in-house data decoding

[UK]



[FR]



[ES]



[AT]



[BE]



Leading European DAB data applications are powered by our CDR solutions. Please contact us for references.

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