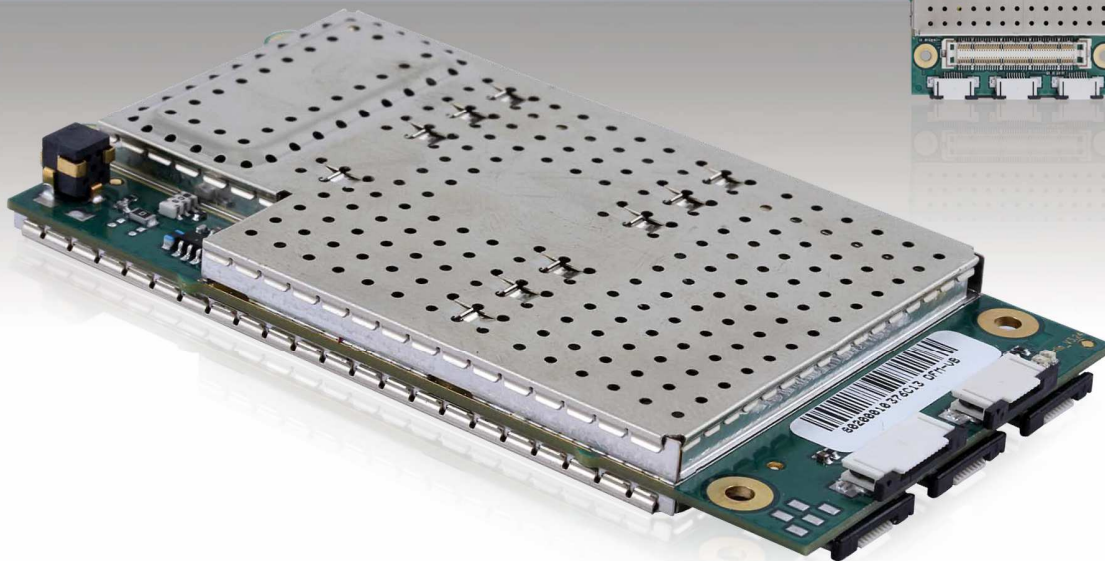
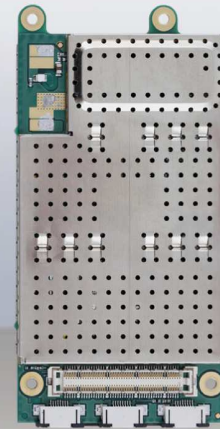


TETRA Radio Modem

BDM 31 3L

- Microprocessor and storage capacities “on-board”
- No data loss in the event of a power failure (FRAM capacity)
- PEI (Peripheral Equipment Interface) and debug Interface
- Additional interfaces i.e. for the connection of sensors
- Energy-saving product in the smallest version
- Use of latest hardware components



Made in Germany

Tetra Characteristics:

Transmission method:	TDMA
Modulation method:	$\pi/4$ DQPSK
Channel spacing:	25 kHz
TX/RX separation	ETSI TS 100 392-15 (10 MHz and user defined)
RF power output:	1.8 W (class 3L), RF power control
Transmitter characteristics:	ETS 300 392-2, ETS 300 396-2
Receiver:	Class A (TU 50)
Tetra messages:	Status, SDS Type 1, 2, 3 and 4 (with or without TL)
Voice call:	PEI - ETSI EN 300 392-5 (on request)

Operation Modes:

TMO - Trunking mode

Frequency ranges:

360 - 400 MHz
380 - 400 and 410 - 430 MHz
410 - 430 and 445 - 470 MHz

Specifications

Antenna connector:	MMCX
Power supply:	3.7 VDC @ 3.0 A (TX burst)
Dimensions:	86 x 43 x 8 mm (L x B x H)
Weight:	35 g
Operation temperature:	-20 °C to +49 °C
Interfaces:	80 pin interface (service and application) power connector Status-LED, RTC, one serial interface (6 pin's) and two RS232 (4 pin's) i.e. for the connection of sensors (other interfaces on request)
Calibration:	no calibration required after production check
Maintenance:	no maintenance required after production check
Options:	Integration of customer application on the board possible