



BDR 21 – Basic Data Radio

Parameter and characteristics

Frequency ranges:

- 360 - 400 MHz (on order)
- 380 - 400 / 406 - 430 MHz (Standard)
- 406 - 430 / 445 - 470 MHz (on order)

Operation modes:

- Trunking mode (TMO) / Direct mode (DMO)

Encryption modes

- TETRA Air Encryption Class 1 or Class 2 (on order)

Technical characteristics:

Transmission method:	TDMA
Modulation method:	pi/4 DQPSK
Channel spacing :	25 kHz
RF power output:	1 W (class 4) with dynamic output power management
Transmitter characteristics:	ETS 300 392-2, ETS 300 396-2
Receiver class:- A	(Standard: TU 50, HT 200)
Receiver sensitivity:	Registration: -110dBm / Sync: <= -113dBm / Dynamic: <= -103dBm
Supported SDS:	Type 1,2,3 und 4 / with or without TL
Status SDS transmission:	supported
Power supply:	4,0 VDC nominal (3,8 – 4,2VDC)
Interfaces:	PEI RS232, RTS/CTS supported 2 analog and I/O Ports
PEI Data rate:	up to 115 kBit/sec (default 9,6 kBit/sec)
Operation temperature.	-20 °C to +55 °C
Dimensions:	160 x 60 x 37 mm (L x B x H)
Weight:	180 g
Antenna connector:	SMA
Current consumption @4,0VDC	Network search: ca. 220mA Registered to network: ca. 100mA Transmit NUB ca. 550mA (up to 2200mA peak)
PEI Connector	molex Type 090813001 / 0910600109 / 0908521003

