DIB-R5 outdoor
TETRA base station

Highlights

The DIB-R5 outdoor expands the DIB-R5 family of TETRA2/ TED base stations adding a further version for outdoor use.

Very low power consumption and passive cooling – ideal for areas where power supply is critical or battery-based, portable base station solutions are demanded.

Low operating costs while the coverage stays reliable.

Prepared for harsh environments with IP65 protection class and a temperature range from -30 to +55 °C.

Compact & space-saving design – the DIB-R5 outdoor can be mounted on walls, antenna masts or tunnels.

Technical Data

General data	
Transmitting power (antenna socket)	43 dBm (20 W) with π/4-DQPSK modulation
Transceiver frequency range	380 – 430 MHz (Rx/Tx)
Reception	2-way multipath reception (Dual Diversity)
Sensitivity (static)	-119 dBm (BER 4 %)
Synchronization	GNSS (Global Navigation Satellite System): – GPS – Galileo – GLONASS PTP (Precision Time Protocol) for operation without GNSS
Connection to the transport network	IP Optional Fiber Optic
Power supply	48 V_{DC} (voltage range 44 to 55 V_{DC})
Power consumption	< 60 W on 10 W TOC with π/4-DQPSK modulation

Dimensions & weight	
Dimensions (H x W x D)	426 x 250 x 167 (incl. mast mounting socket) 426 x 250 x 135 (incl. wall mounting socket)
Weight	10 kg
Environmental conditions	
Temperature range	-30 °C – +55 °C
Relative humidity	5% – 85%
Protection class	IP65

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