

DMR 400

The DMR400 platform is a medium power repeater for 19" rack mounting. It is developed for use in moving environments like trains and ships but can also be used in fixed multi band and multi operator indoor coverage solutions.



KEY FEATURES

- › Multi band and multi operator system design
- › Variable bandwidth up to 35MHz depending on configuration
- › High selectivity using SAW technology
- › Optimal performance and minimal interference with self oscillation protection, fast AGC and link symmetry functionality.
- › Operational parameters are set in a web interface, only a web browser is needed for control
- › Remote control via Ethernet or Deltanodes Remote GateWay
- › Alarms can be forwarded via SNMP to any Maintenance Centre*
- › GPS based control system (optional)*
- › Complies to the Railway standard EN50155 and the RoHS directive 2002-95-EC

*Deltanodes Remote GateWay required

GENERAL SPECIFICATIONS

Gain		50 - 80	dB in 1dB steps
Noise Figure		< 5	dB
Delay		< 6	µs
Power Supply (optional)	Mains	12 - 30	VDC
Power Supply	Mains	85 – 264	VAC or VDC
Power Consumption DC	12-28 V	< 35	W
Dimensions	WxDxH	10 TE x 220mm x 3U	
Weight (Module)		< 0,7	Kg
Weight (Frame)		2	Kg
Operating Temperature		-25 - +55	°C
Casing		IP42	
Environmental standard		50155	
Safety standard		IEC60950	
EMC standard		EN50121-3-2	
Vibration and shock standard		EN50155	EN61373

AVAILABLE PRODUCTS, AMERICAN CELLULAR

Product	System	UL Frequency MHz	DL Frequency MHz	Pout UL/DL, dBm (PEP)	Standard
DMR407	iDEN	806 - 824	851 - 869	28	FCC
DMR408	Cellular	824 - 849	869 - 894	28	FCC
DMR419	PCS1900	1850 - 1910	1930 - 1990	28	FCC
DMR420	AWS	1710 - 1755	2110 - 2155	28	FCC

AVAILABLE PRODUCTS, EUROPEAN CELLULAR

Product	System	UL Frequency MHz	DL Frequency MHz	Pout UL/DL dBm/c, 1 Carrier	Pout UL/DL dBm/c, 2 Carriers	Standard
DMR401	TETRA, Public Safety	380 - 385	390 - 395	20	17	ETSI
DMR402	TETRA, Commercial	410 - 415	420 - 425	20	17	ETSI
DMR403	TETRA, Commercial	415 - 420	425 - 430	20	17	ETSI
DMR404	CDMA450	453 - 457,5	463 - 467,5	26	21	FCC
DMR406	GSM-R	876 - 880	921 - 925	19	16	ETSI
DMR409	EGSM900	880 - 915	925 - 960	19	16	ETSI
DMR418	GSM1800	1710 - 1785	1805 - 1880	21	18	ETSI
DMR421	UMTS	1920 - 1980	2110 - 2170	23(DL), 20(UL)	18(DL), 15(UL)	3GPP

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