

ACCESSNET®-T DMX-500 R2 Digital Mobile eXchange For professional TETRA communications

The ACCESSNET®-T DMX-500 R2 is the TETRA exchange from Rohde & Schwarz for professional TETRA systems of any topology and size.



ACCESSNET®-T DMX-500 R2 Digital Mobile eXchange At a glance

The ACCESSNET®-T digital trunked radio system from Rohde&Schwarz is a scalable mobile radio solution for professional TETRA networks. Exchanges are core elements in mobile radio systems. They are the benchmark for the performance and reliability of the entire system. The digital mobile exchange (DMX) product family from Rohde&Schwarz is a series of powerful exchanges that optimally fulfills performance and reliability requirements.

The ACCESSNET®-T DMX-500 R2 TETRA exchange can be used in a wide variety of TETRA networks of different topologies, hierarchies and sizes. The ACCESSNET®-T DMX-500 R2 is available in various configurations, allowing the user to connect the desired number of base stations, as well as dispatchers, applications and external networks.

Outstanding features of the ACCESSNET®-T DMX-500 R2 are its robustness and site availability. Site availability in this context means the ability of a network to maintain network operation when a site outage occurs (for example due to technical problems, natural disasters or acts of terror). Base stations can be connected to two or more ACCESSNET®-T DMX-500 R2 exchanges at various sites to provide redundancy. Each ACCESSNET®-T DMX-500 R2 can handle the entire traffic of all base stations connected to it and therefore take over the tasks of failed sites.

Key facts

- Fully compatible with all ACCESSNET®-T network elements
- Unique modular design and high level of integration, resulting in minimum site and operation costs
- Optimum adaptation to individual network requirements due to scalable channel capacity; network and functional expansions possible at any time
- Unsurpassed system reliability due to intelligent, scalable redundancy



The ACCESSNET®-T DMX-500 R2-120 for linking and managing up to 120 TETRA carriers/60 base stations.

Photo on title page: The ACCESSNET®-T DMX-500 R2-60 for linking and managing up to 60 TETRA carriers/30 base stations.

Specifications in brief

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Capacity	
Number of supported TETRA carriers per exchange	20 to 300
Number of supported base stations per exchange	10 to 150 setup of large and nationwide networks based on decentralized exchanges and cluster architecture
General data	
Ambient conditions	
Operating temperature range	+5 °C to +40 °C
Storage temperature range	-25 °C to +55 °C
Relative humidity	25% to 75% (non-condensing)
Power supply	48 V DC (nominal) 110 V AC (with additional components) 230 V AC (with additional components)
Power consumption ¹⁾	170 W
Features	
Additional components	uninterruptible power supply (UPS) AC power supply unit (PSU) network database (NDB)
Dimensions (W × H × D) ¹⁾	600 mm × 630 mm × 600 mm (12 HU), max. 1200 mm × 1890 mm × 600 mm; 23.6 in × 24.8 in × 23.6 in (12 HU), max. 47.2 in × 74.4 in × 23.6 in
Weight ¹⁾	57 kg (max. 280 kg); 125.7 lb (max. 617.3 lb)

Ordering information

Designation	Type
Digital Mobile eXchange	ACCESSNET®-T DMX-500 R2-x ²⁾

¹⁾ With a capacity of up to 60 TETRA carriers.

²⁾ Number of supported TETRA carriers per ACCESSNET®-T DMX-500 R2 (x = 20, 40, 60, 90, 120, 180, 240, 300).

Service you can rely on

- | Worldwide
- | Local and personalized
- | Customized and flexible
- | Uncompromising quality
- | Long-term dependability

About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

Environmental commitment

- | Energy-efficient products
- | Continuous improvement in environmental sustainability
- | ISO 14001-certified environmental management system

Certified Quality System
ISO 9001

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