

TB-400D DMR TIER II SYSTEM

Modular, trunked, IP-connected high-reliable DMR Tier II voice and data digital communication network infrastructure

- The complete line of radio base stations, nodes, maintenance and dispatch consoles
- Best-in-class, selected hardware modules and software in customized solutions
- Multichannel / multisite configurations, mixed and gradual deployment are possible
- Optimizing the frequency resources with 2 information/call channels on a single carrier
- Simulcast
- A variety of options for connecting to PABX
- Standalone repeaters or as part of network
- Full-, half-sized and portable cabinets
- All standard frequency bands
- 100% transmit duty cycle
- Alarming, GPS, packet data
- Sessions and call party logging
- Remote management and monitoring



System protocol	DMR Tier II	upgradable to Tier III
Frequency range, MHz	148...174 400...480	- 10MHz/ TX/ RX bandwidth - other on request
TX power / 1 carrier, W	10...50	before combiner / programmable
Max TX power to antenna, W	25	depends on the number of channels
Sensitivity, dBm	≤ -120 5% BER	
Channel spacing, kHz	12.5 / 25	programmable
Operating bandwidth, MHz	≤5	for RX and TX
Number of carriers	1...4	per cabinet
Operating temperature, °C	+5...55	-20...+60 on request
Dimensions, HU	7, 12, 33, 42	- depends on the number of carriers - different sizes / mobile rack on request
Power supply, V	95...230AC / 44...52DC	12 or 24 DC on request

- Extremely flexible and optimized communication system, including high effective and adaptive Simulcast.
- TB-400D may be either self-contained system or in the form of sub-modules / add-ons for connecting to the existing PMR or a trunked system with maintaining the existing antenna system, the inter-site / PABX connections and the numbering scheme without loss of previous investments.

Options:

- Diversity receiver;
- Hybrid or multi channel cavity combiner;
- Onboard UPS/batteries;
- Network terminal built-in;
- All kinds of subscriber devices, ATEX-certified included.

Notes on delivery packages:

- All the necessary licenses, documentation and other typical systems charges included;
- Simple systems of 1...3 base stations comes preconfigured with no extra charge;
- The complex configurations, as well as training and coaching, both on-site and in the factory to be ordered separately.