TB–400D DMR TIER III SYSTEM

DMR

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

- The complete line of radio base stations, switches, 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
- Over the air programming (OTAP)

- A variety of options for connecting to any PABX
- Standalone base stations or as part of network
- Full– , half–sized and portable cabinets
- All standard frequency bands
- 100% transmit duty cycle
- Alarming, GPS, packet data, LTE connection*
- Sessions and call party logging
- Remote management and monitoring

System protocol	DMR Tier III	
Frequency range, MHz	148…174 400…480	- 10MHz/ TX/ RX bandwidth - other on request
TX power / 1 carrier, W	25…100	before combiner / programmable
Max TX power to antenna, W	50	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…8	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

- Easily configured in Tier II with the ability to go to the Tier III by the software configuration*
- 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.

Selected models.

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.