

TB-400T TETRA SYSTEM



Modular, trunked, IP-connected high-reliable TETRA 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 4 information/call channels on a single carrier
- Various types of connections within the network, interconnections with the external networks
- A variety of options for connecting to one or more PABX
- Standalone in local trunking or as part of network
- Fall-back mode
- Full-, half-sized and portable cabinets
- All standard frequency bands
- 100% transmit duty cycle
- Alarming, GPS, packet data
- Sessions logging, call party recording, voice mail
- Remote management and monitoring
- Active pagers with acknowledgment of reception
- LTE networks interconnection



System protocol	TETRA 25	
Frequency range, MHz	380...470	10MHz/ TX/ RX bandwidth
TX power / 1 carrier, W	25...40	before combiner / programmable
Max TX power to antenna, W	10	depends on the number of channels
Sensitivity, dBm	≤ -107 5% BER	
Channel spacing, kHz	25	
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

TB-400T 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.