

### Purpose:

the mobile telecommunication system MTK-240B is designed for the operational deployment of cryptographically secure telephone communication and data transmission networks.

### Advantages:

MTK-240B allows replacing of old telephone and telegraph communication vehicle equipment on the field communications centers.

### The mobile telecommunication system MTK-240B provides:

- embedded operator WKS functioning;
- organization of the SHDSL communication line with a capability of transmission of up to two E1 flows and Ethernet 10/100BaseT with joint receive/ transmit paths via the P-274M cable and with the regenerator sector of up to 10 km long;
- manual switching of open and cryptographic E1 и Ethernet 10/100BaseT channels with a capability of their dropping to the cable entries or to the embedded special-purpose automatic telephone exchange;
- encoding/decoding of a communication channel with guaranteed resistance and rates graduation Nx64 Kbit/s (up to 2048 Kbit/s);
- deployment of:
  - open videoconference and data transmission networks;
  - cryptographically secure automatic telephone communication networks with a capacity of up to 16 analog two-wire subscribers;
  - videoconference and data transmission networks;
- power supply from the AC electric network with a rated voltage 230V, frequency 50Hz, DC power supply with voltage 48V or 60 V with grounded positive pole from external batteries with voltage 48V;
- placing of telecommunication equipment into an impact-proof, dust-proof and moisture-proof case with common weight of up to 45kg.

### Electric power supply:

- AC network, 230V, 50Hz;
- DC power supply, 48 – 60V;
- external storage battery, 48V (within an hour).
- AC network power consumption:
- MTK-240B, max. – 500 W.



Battery unit for MTK-240B



**Resistance to external influencing factors:**

- the systems' enclosures are impact-proof, dust-proof and moisture-proof with the protection level IP-67 at the environmental temperature -50°C ... + 65°C and relative air humidity 98% at the temperature 25°C;
- resilience, durability, resistance of the mobile telecommunication system MTK-240B to external influencing factors meet the requirements of the operating group 3.1 GOST standard 15150 of the climatic version "humid microthermal climate".

**Peculiarities:**

the mobile telecommunication system MTK-240B allows replacing old equipment vehicles P-238TM, P-240TM, P-241TM, at that MTK-240B surpasses them in channel capacity, quality and quantity of supplied communication and mobility service.

**The mobile telecommunication system MTK-240B was put into service of the Armed Forces of the Republic of Belarus in 2013. Serial production has been realized since 2014.**

**Note:** *Technical characteristics may be changed according to the Customer's requirements.*

