MOBILE CHANNELIZING EQUIPMENT VEHICLE P-257-60KMB

Purpose:

The mobile equipment vehicle P-257-60KMB is designed for the construction of digital trunks and connection lines of mobile communications centers to a mobile communication control network of the Armed Forces and to the public telecommunication network, providing communication centers of mobile command posts of the Armed Forces at the operational, operational-strategic and strategic control level with analog and digital communication channels.

Advantages:

the mobile equipment vehicle P-257-60KMB allows replacing all old analog communication complexes and providing communication services in the volume considerably exceeding the prior.

Due to implementation of the advanced telecommunication technologies and modern element base, channel switching and batch switching functions are realized in the equipment vehicle to provide long-term communication services "Triple Play" (voice, video, data), ensuring wide operation capability. Means of communication of the equipment vehicle enable to switch any type of traffic, ensure IP/Ethernet routing and are fully compatible with the public network and special-purpose network.

The mobile equipment vehicle P-257-60KMB provides:

- functional control and monitoring of telecommunication equipment and communication lines using operator workstations;
- forming of STM-1 line optical interface;
- organization of digital transmission systems communication via a copper cable with different transmission rates and regenerator sector length from 5 to 25km;
- wireless wideband subscriber accessing;
- E1 channelizing and Ethernet traffic shaping;
- multiplexing/demultiplexing of E1 channels into subscriber interfaces;
- conversion of E1 flows into Ethernet 10/100 BaseT and backwards;
- measuring of basic parameters of fiber-optic and cable communication lines, E1 channels and tone-frequency channels;
- E1 flows' channel slots switching and switching of Ethernet traffic with routing functions;
- manual and automatic cross-connection of the channels with a capability of their dropping to the cable entries of the equipment vehicle;
- cross-connection of optic communication lines with a capability of their dropping to the cable entries of the equipment vehicle;
- organization of intercommunication via internode trunk lines and communication channels.

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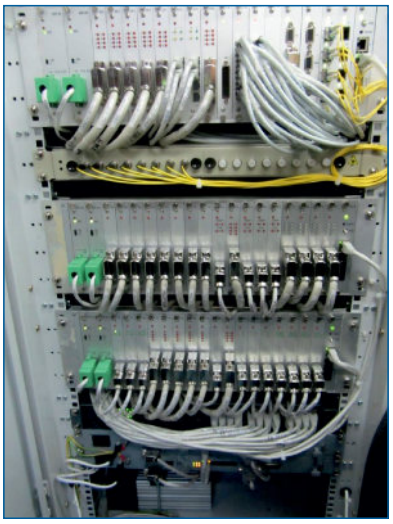
Resistance to external influencing factors:

resilience, durability, resistance of the equipment vehicle P-257-60KMB to external influencing factors meet the requirements of the operating group 1.7 GOST standard B 20.39.304-76 of the climatic version "humid microthermal climate".

Basic technical characteristics of the equipment vehicle P-257- 60KMB:

Item	Quantity
Operator WKS	2
Digital transmission system (STM-1), Fiber-optic communication line is up to 40km.	4
Digital transmission system (E1/ Ethernet), Cable communication line is up to 25km.	3
Digital transmission system (2E1/ Ethernet), Cable communication line is up to 10 km.	5
Digital transmission system (E1 Cable communication line is up to 5 km.	8
Wireless broadband access	1
E1 12 channels	100
Ethernet	13
4-wire TFC with frequency signaling	32
2-wire TFC with impulse signaling	6
C1 channel - telegraph	20
C1 channel - impulse	20
2-wire trunks from external automatic telephone exchanges (FXS, CB)	16
2-wire trunks from automatic telephone exchanges with remote subscribers (FXO)	16
Conversion of E1flows into Ethernet 10/100 BaseT and backwards	2



The mobile equipment vehicle P-257-60KMB power supply:

- fieldbus 3x380B, 50 Hz;
- storage battery (within an hour);
- power consumption – 3,0 kW.

The mobile equipment vehicle P-257-60KMB 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.*

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