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Subscriber switch ŁK-24A3

- ✓ ŁK-24A3 subscriber switch is universal digital communications equipment designed for use on both tactical and strategic levels in stationary and field military installations. Their open and universal architecture may be based on the network commutation of the TDM channels as well as on the network commutation of IP packets.
- ✓ Features such as: dynamic network resources allocation, extended auto diagnostic, maintenance and management systems, integrated CVSD/PCM/VoIP speech encoding converters and direct cooperation with ISDN devices, allow for the switch to be successfully used in complicated field environments.
- ✓ The equipment's high versatility has been obtained by ensuring its capability to operate in the TDM mode based on commutation of the basic 16 kbps or 64 kbps channels and their unlimited multiplicities, or on operating in the IP packet commutation mode (the all over IP mode). Setting up different networks based on the same devices and capability of integrating them, due to the built-in DSTG and VoIP conversion functions guarantee effective and efficient operation of the system along the entire chain of command, in many various deployments. The equipment complies with the legacy standard recommendations set by EUROCOM, as well as with the NATO standards currently in force. It has also been designed in a way ensuring its compliance with the future standards (e.g. the currently being drafted Tacom Post 2000).
- ✓ ŁK-24A3 have been designed as general purpose equipment, that can be carried by two soldiers. Switch is powered from +27V (-20%, +10%), other power supplies available on request.



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General

Universal digital trunks	128, 256, 512, 1024, 2048 and 8192 kbps. Signaling according to Polish Military Requirements (PL standard), DSS1, QSiq, STANAG 4578 (2048 kbps only), STANAG 4206 (256 kbps only), EUROCOM (256, 512, 1024 kbps)
Trunk electrical parameters	CDI code, according to STANAG 4210 standard, G.703, EUROCOM D
Trunk optical parameters	According STANAG 4290, part A4
IP trunks	Fibre optic Ethernet 100BaseFX
Routing	Full saturation search, multilevel saturation search, spanning tree or deterministic search
Conversion functions	TCP/IP Packet switching, VoIP conversion implemented in switches
Subscriber lines	Universal subscriber lines can work as analogue based on CVSD modulation 16, 32 or 64 kbps, or PCM 64 kbps, as well as digital with ISDN BRI or 16/32/64 military phones. PCM/CVSD conversion (for 60 channels) implemented in switches
Data terminals	2-wire data terminals with 16, 32, 64 or 128 kbps data transmission rates
Analog trunks	CO, LB (2-wires), E&M (6-wires)

Equipment dates

Type	Automatic field exchange, general purpose
Number of subscriber lines*	24
Number of electric digital trunks	4
Number of fibre optical digital trunks	2
Number of IP trunks	1
Power consumption	<100W
Weight	<18kg
Environmental	N1 (WPN), MIL-STD810D

* Number of subscribers lines can be extended with KX-30M1 extension units (for 30 subscribers each), connected to digital trunks, instead of transmission lines to other switches.

Subscriber features

standard call, affiliation, deaffiliation, group number, switched hotline,	abbreviated dialing, compressed dialing, 6 priority levels, automatic ring-back, standard ISDN subscriber possibility for digital telephone sets, conference.
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