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## Multiplexer KX-30M1

- ✓ Multiplexer KX-30M1 is dedicated for synchronic multiplying of digital channels (16 / 32 / 64 kb/s) into a group stream with the data flow capacity of 128, 256 512, 1024 or 2048 kb/s and to processing analogue signals into digital form and translation of subscribers' signalization into central signalization. Multiplexer is a module device, allowing to install 15 channel packets, so-called subscribers' line complexes (Polish abbr. AZL). AZL may be of different types, depending on the user's needs (the limitation is single-path lead of the subscribers' line from the packet to the multiplexer's cap plate). Every AZL is dedicated to service two subscribers.
- ✓ The multiplexer mates, using a group stream, with switchboards of the STORCZYK system . (e.g. ŁC-240D or ŁC-480D) equipped with a digital tract, operating with electrical contact compatible with norm STANAG 4210. The multiplexer can be connected to a switchboard equipped with a tract which has a different electrical contact, through a relevant converter (e.g. with switchboard type ŁC-240A and a switchboard-multiplexer ŁK-24A using converter SE-1). The connection may be realized directly with the group contact or via tract means of any type.
- ✓ Regarding operating conditions, the device meets the requirements of group N7-UZ-II (A and B) according to WPN-84/N-01001 ... WPN-84/N-01008, with operation temperature limits between -30 °C and +50 °C, and storage temperatures between -40 °C and +65 °C. The device also meets conditions for equipment appropriate for repeated usage and continuous operation.





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### Specifications

Group trunk	1 x Stanag 4210 electric interface
Capacity	128, 256, 512, 1024 or 2048 kb/s
Number of subscriber lines	30
Subscriber channel capacity	16/32/64/128 kb/s (total subscriber channel capacity must not exceed trunk capacity minus 32kb/s)
Channel work mode	Analog or digital
Work mode for each channel in analog mode	Telephone with impulse or DTMF dialing. The line works with CVSD modulation, in compliance with Stanag 4209 or PCM modulation compliant with G711.
Work mode for each channel in digital mode	Adaptive echo attenuation, cooperation with AC-16M, AC-16C, MK-16A digital telephones or NTS 1 line termination units for ISDN devices.
Power supply	+27V DC (-18%, +10%) with grounded negative pole, or -48V DC ( 10%, +20%) with grounded positive pole; voltage change requires the replacement of internal power supply unit and multiplexer's casing. In standard configuration the device is offered with the +27V PSU, The 48V PSU is available on request and must be specified in the order form.
Power consumption	< 4 A
Weight	< 32 kg
Casing	S4WM
Dimensions	Width 502 mm -2 mm Height 258 mm -2 mm Depth 390 mm -2 mm
Mechanical and environmental standards:	N7 UZ-II-(A and B) according to WPN 84/N-01001 and WPN 84/N-01003 (multiple and continuous usage equipment)
Ambient temperature:	
Working temperature	-30°C to +50°C
Storage temperature	-40°C to +65°C