

IPN-8U Network switching module

ARMT.665200.006



Network switching module IPN-8U is designed for use in decentralized Intercom and PA/GA system. IPN-8U is a compact switching unit for 8 subscribers with U_{k_0} -interface and 4 FastEthernet ports for connection to IP-network. All U_{k_0} -interfaces are equipped with Powerover-U function – “phantom” power supply of subscribers with automatic protection against over-load. Ports of the built-in FastEthernet switch support PoE according to IEEE 802.3af Class 0, and can be used to connect and feed IP-subscriber devices.



Up to 6,8 kHz bandwidth



Up to 6 km distance

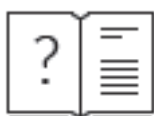
Key features:

- Connection of up to 8 ARMTel subscriber with U_{k_0} -interface at a distance up to 6 km;
- Provision of power supply for subscriber devices via the U_{k_0} -interface;
- Connection of up to 4 IP-devices or network equipment with Ethernet 100BaseT interfaces and switching of IP connections between them;
- Providing power supply to IP devices using PoE;
- Programming keys with indication on all devices connected to U_{k_0} -interfaces and storing settings and configuration data;
- Ability to register negotiations using certified equipment and software;
- Indication of connection status on keys of digital devices with U_{k_0} -interface;
- Switching of the connected digital subscriber devices with the U_{k_0} -interface to each other and to other subscribers of the IPN communication system according to the configuration data;
- Activation of the built-in relay of DW / DWEx call stations and ACM control lines (except for a group call);
- Support for SIP-based communications between digital subscriber devices with U_{k_0} -interface and duplex subscribers;
- LED indication of the status of subscriber U_{k_0} -interfaces and Ethernet ports;
- Easy maintenance, built-in self-diagnosis and remote administration.

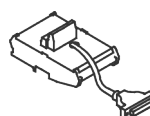
Technical specifications

Rated power supply voltage	-48 V
Operating voltage	from -36 V to -60 V
Maximum power consumption of IPN-8U (without PoU, PoE), max	9,1 W
Maximum load current of each Uk ₀ port	300 mA
Maximum distance to a Uk ₀ subscriber unit	6,0 km
Number of Uk ₀ interfaces	8 ports with PoU
Inbuilt FastEthernet switch (10/100 Mb/s)	4 ports with PoE
Power Source unit class acc. to standard PoE IEEE 802.3af-2003	Class 0
Nominal output voltage of PoE	-48 V
Maximum output power of PoE source, per port	15,4 W
Protection rate	IP40
Operating temperature	from -5°C to +55°C
Air humidity	up to 80 % at +25°C
Atmospheric pressure	from 84 to 106,7 kPa
Electrical safety class	III
Dimensions, max	482×231×43 (19" 1U) mm
Maximum weight (without connection cable weight)	2,5 kg

Delivery includes



Set of operational documents



Connecting cable for IPN-8U subscribers

ARMT.665200.006.005