

## MKS Mobile Communication System

### Characteristic

- Portable communication system
- Compatible with public telecommunication networks
- VoIP support
- Easy installation, fast system start up
- Installation in sized transport rack
- Voice, data and multimedia services support
- Possibility to protect information transfer
- Standby power supply for emergency



### Specification

- It is intended for easy and fast building telecommunication infrastructure wherever such an infrastructure is missing, destroyed by a calamity, and industrial incident or a warfare
- It is used in field conditions, in buildings and in temporary developed stations (racks, camp sites, vehicles, etc.)
- It is possible to transfer data, voice, pictures, video and faxes. Furthermore it provides videoconferencing broadcast mechanism
- It can be connected to existing telecommunication networks. Such as connectivity is implemented in cooperation with local telecommunication operators, with private or special-purpose telecommunication network operators or even through out world-wide available satellite network (e.g. INMARSAT)
- If required, the MKS system can be extended by certified encrypting device for protection of information transferred through public telecommunication network
- System consists of a mobile rack equipped by technology and cabling. Mobile rack protects installed technology against negative external impacts when it is transported

### Voice Communication

By means of MKS system is possible to build basic voice communication infrastructure in a very short time covering area of 28 000 m<sup>2</sup>. System offers wide possibilities in the field of voice communication:

- Personal assistant
- Voice mail
- Central voice recorder
- Individual a central phone book
- Conference calls

## Data Communication

MKS system provides possibility of data communication in several ways. Data modules with full-featured ISDN interface S0 (128 Kbps) can be used for communication among individual users of the system mutually or with users connected to public or private networks ISDN.

It is possible to build data LAN with transfer capacity up to 10/100 Mbps.

It is also possible to build up a secured connection to IP services (Internet, E-mail, etc.)

## Peripherals

Several different types of system voice terminals may be attached to MKS system providing easy and intuitive access to the system voice services. Ordinary analogue end-user devices (telephones, faxes, wireless phones DECT, etc) also may be used with MKS to access many voice services provided by the system. MKS is ready to be extended by DECT wireless communication devices. DECT terminals offer comparable quality of voice services as system terminals. MKS provides option for data interface creation type S0, RS-232 via data modules.

## Voice and Data Integration

System provides voice transfer services via IP data and voice services integration. System provides voice transfer services via IP data services (VoIP). In this system it is possible to utilize mutual connection of electronic communication (E-mails) and voice communications via PIMphony solution

Communication server	
Number of external connectors T0 (2B+D)	2
Number of internal connectors S0 (3B+D)	4
Number of internal analogue connectors	8
Power supply	
Direct Accu charger	20 - 30 V
Power consumption	70W
Full time operation (from standby accumulator)	20 min
Cabling	
Cable for internal environment length 50m	8pcs
Cable for internal environment length 95 m	4pcs
Cable for external environment length 95 m	3pcs
MKS system	
Weight	94kg
Dimensions of transport rack - 2pcs.	W- 575 mm
	H 390 mm
	D 464 mm
External interface	13x RJ-45 F
Operation temperature	1x power supply
Storage temperature	0 to + 40°C
	-20 to + 55°C



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