



VOIP PBX (VOIP TELEPHONE EXCHANGE)

- VoIP telephone exchange with possibility of remote administration suitable for 60–120 subscribers (customers)
- Can be extended by up to 4 FXO-FXS ports or ISDN2 or ISDN30 ports
- Optional power supply: either 230 V or 48 V
- Arbitrary number of VoIP subscribers



General description

VoIP PBX is the IP branch exchange suitable for systems with 60–120 subscribers and for simultaneous operation of up to 30 calls allowing optional adding of up to 4 FXS-FXO ports or ISDN2 or ISDN30 ports for communication with the existing analogue technologies. It enables digital recording of all or of selected calls to the internal hard drive. It includes an integrated SSL WEB server for the management and administration.

Basic technical description

The branch exchange is built into the case designed for installation to 19" rack, height of 1,5U and depth of 30 cm (without connectors), the exchange weight is 3 kg. Power supply: 230 V 50 Hz or 48 V Dc networks. The exchange cooling is active: by ventilators.

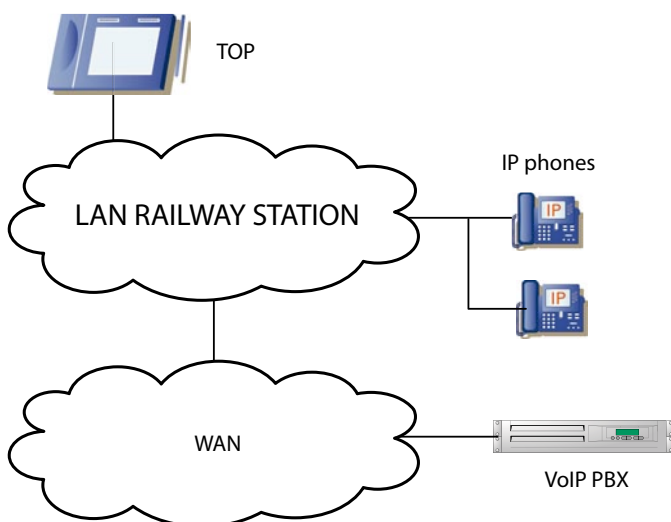
The number of VoIP lines and concurrent calls is limited only by the branch exchange hardware power output; it is are not limited by additional licences. Adding of additional

branch exchanges is carried out only through software, without a need of additional cards. In case of insufficient capacity of the exchange it is possible to use a more powerful exchange or to use several exchanges.

The integrated router offers the fire-wall function, QoS, operation prioritisation and setting the bandwidth for optimal function of IP voice operation. Because of the use of standard Ethernet structured cabling, there is no need to install PBX in each station, it is sufficient to use one VoIP exchange for the entire line; besides, it is also possible to share infrastructure with other standard telecommunications equipment.

The branch exchange (PBX) allows digital recording of ongoing calls to the internal hard drive with an immediate or subsequent transfer of the recordings into the data storage, serving as an archiving facility. The recordings can be played back, they cannot be deleted.

For phone calls standard IP phones connected to Ethernet or analogue phones connected via VoIP gateways can be used.



Block diagram of interconnection of the exchange with environment



Basic technical parameters

Dimensions	19" module, of height 1,5U and depth of 30 cm (without connectors), width (without handles) 43 cm, height 6,5 cm
	The equipment is designed for installation to 19" (rack) distributor, vent holes on the rear and side panels must not be covered.
Weight	3 kg
Cover	IP20
Working temperature range	0 to 45 °C
Storage temperature range	-20 to 60 °C
Humidity	20 to 90 % non-condensing
Rate power supply voltage	230 V \pm 10% 50 Hz or optionally 48 V DC, power input max. 100 VA
Connectors	LAN (Ethernet) – 2× RJ45
	230 V intake – EURO-plug
	48 V intake
	USB2.0 – 2×
	RS232 – RJ45 – serial console for administration
	Internal bus PCI for connection of expansion cards (ISDN2, ISDN30, FXS-FXO)