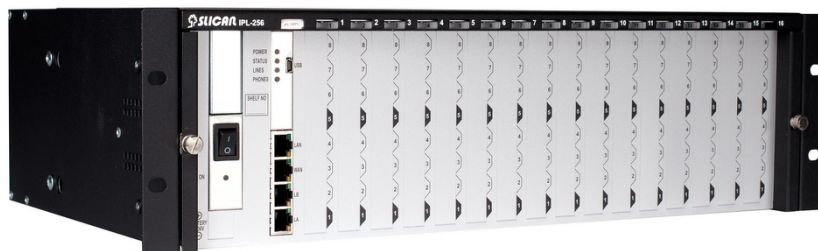


Quick Guide for digital PABX

Slican IPL-256



Release 1.00



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„The manufacturer reserves right to modify the product without prior notice.”

Full manual is available at
<http://pubwiki.slican.com>

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1 General

The Slican IPL-256 telecommunication server is intended for medium and large companies, where summary of subscribers do not exceed 256. It is available in a wall-mounted version (WM) and for installation in 19" racks (3U).

2 Parameters and features of Slican IPL-256 PBX

2.1 Functional features

- Modular construction,
- remote management using a PC via Internet, LAN, modem (optional),
- handling traffic in POTS lines,
- handling traffic in ISDN 2B+D, ISDN 30B+D
- handling traffic in GSM network through built-in module (optional),
- handling VoIP traffic through built-in server (optional),
- LCR – intelligent routing of outgoing calls to optimise costs, reliability, networking,
- number analysis – dialing the city as from your home phone,
- dedicated system phones – CTS-102 i CTS-202, CTS-330 series
- dedicated VoIP system phones – CTS-102.IP, CTS-203.IP, CTS-330.IP series
- option to configure system phones from the level of the application managing the server,
- wide range of configuring privileges and services for subscribers,
- handling subscriber accounts,
- managing the costs of calls and call tariffs by using the internal server mechanisms and an additional application – *BillingMAN*,
- call cost limit for individual subscribers,
- five types of subscriber groups (including Conference and ACD),
- support for doorphone system,
- support for audio type devices (eg. Slican MAB-1101)
- monitoring operating parameters in real time, from the level of the managing application,
- 99 voice announcements (DISA/infolines or a DND message),
- subscriber services confirmed with voice messages,
- cooperation with PC applications *TelefonCTI*, *PhoneCTI*, *WebCTI*. *SenderSMS*,
- PATHFINDER – intelligent call routing based on the number dialed by the initiator and the presentation of his number,
- static call routing – band of functions associated with managing incoming traffic based on number presented and the number of the call initiator choosed,
- INVENIO – IVR (*Interactive Voice Response*) functionality– multi-level interactive managing of incoming calls (hotlines)
- Voicemail – group and individual voicemails with configurable capacity,
- line functionality – handling massive incoming calls by group of agents
- Call Waiting – incoming queue for groups and individual subscribers with voice announcements (number in queue and estimated waiting time)

2.2 Technical data

- power supply from alternating current network ~230V, 50Hz,
- max. power consumption: 150W per shelf,
- protection of cards against overvoltage in the telecommunications network,
- analogue ports of extension phones with pulse dialling and DTMF,
- support for ISDN phones with DSS1 signalling,
- full functionality for phones with DTMF,

- internal CLIP signalling and transfer of public signals,
- receiving CLIP in FSK system on analogue lines,
- configurable ISDN ports at BRA 2B+D terminal (int./ext.),,
- porty translacji miejskich analogowych z sygnalizacją ASS,
- Connectors:
 - ISDN 2B+D – DSS1 protocol (EURO – ISDN),
 - ISDN 30B+D – DSS1 protocol (EURO – ISDN),
 - Public analogue lines, zaccording to ASS signalling,
 - GSM – TriBand 900/1800/1900MHz,
 - VoIP – according to SIP (v.2.0), IAX (v.2.0), eSSL (extended Slican Smart Link),
 - U_{po} – terminals for digital system phones,
- Interfaces:
 - LAN, WAN – Ethernet 10/100 Mbps,
 - USB 2.0.
- dimensions (mm) width x height x depth – 416x492x163 (WM modul), 483(19")x134(3U)x310 (3U model)
- surrounding temperature in the PBX workplace: +5°C÷+35°C,
- humidity in PBX workplace: 40÷70%,
- fulfillment of directives to obtain the CE mark
 - LVD,
 - EMC,
 - R&TTE.

2.3 Monting requirements

1. Slican PBX should not be mounted:
 - in areas with strong sunlight,
 - in areas with strong humidity,
 - in areas with strong dustiness,
 - to close to devices that emits strong electromagnetic fieldz,
 - in areas where it may be exposed to the effects of chemical factors.
2. It is recommended to mount the PBX in upright position. If the unit is operating in horizontal position, make sure that the cables from the device were mounted with external security against accidental pulling out for the slots.
3. The control panel should be installed at a sufficient distance from a 230V socket (standard power cord length is 1.5 m).
4. If the power outlet does not have grounding (it is not equipped with pin), ensure correct (in accordance with electrical standards) ground for PBX by an additional protective earthing terminal located inside the housing.
5. Installation of the PBX should be carried out in accordance with the conditions set in the warranty card.

3 System phones

PBX can handle up to 124 Slican system phones CTS-330, CTS-202, CTS-102, CTS-330.IP, CTS-203.IP, CTS-102.IP, CTS-330.CLBT, CTS-330.IPBT, CTS-203.CLBT, CTS-203.IPBT. Up to four devices CTS-202 / CTS-202.IP phone / CTS-203.IP 5 consoles can be connected to the CTS-232, which allows you to expand the number of speed dial keys to 162. Other phones in this series can have a maximum of 2 consoles CTS-232 , which expands the number of keys for quick selection 72.

Warning: The exact description of hot to connect additional consoles can be found in IPL-256 technical documentation.

With rich functionality and modern design phones have become indispensable in everyday work and at the same time an element of design for offices, secretariats or reception.

Equipped with headset, system phones CTS-330/CTS-330.IP CTS-202/CTS-203.IP are irreplaceable in daily work of service departments. Thanks to built-in Bluetooth module CTS-203.CLBT, CTS-330.CLBT allows to receive calls after leaving from desk, and models CTS-102.IP/CTS-203.IP/CTS-330.IP, thanks to VoIP and Internet technology, can be installed anywhere in the world.

CTS devices easy to read displays and intuitive menu structure make them easy and comfortable for handling. Full integration of system phone and PBX firmware allows for quick changes of phone configuration from PBX configuration application. Phone user can use three types of phonebooks:

- public phonebook – available for selected or all subscribers, globally managed;
- private phonebook – individual for each subscriber;
- subscriber list – shows all or selected PBX subscribers.

4 Software

4.1 WebCTI

- webapp solution / works on any Internet Browser (even Mobile) / Accessible from anywhere.
- Works on PBX resources, no need for external equipment.
- Making calls from any phonebook. Also using mobilephone.

Basic user functions:

- Access to call history:
 - Outgoing,
 - Incoming,
 - Received,
 - Missed,
 - Filtering possibility.
- Access to call recordings
- Configuring services for user phone (account, DND, FWD, MobilePhone, etc.)
- Calls costs

4.2 PhoneCTI

- Displaying subscribers statuses / BLF
- Access to public/private/internal phonebooks
- Call history stored in PBX (also it includes calls when the application wasn't active)
- Starting your WebCTI profile.
- Chat messages
- SMS sending and receiving
- Subscriber comment / status

4.3 Recording – RecordMAN.client / RecordMAN.Server

RecordMAN.client application is meant for listening and writing call records using the built-in EdbRec recording system. PBX or a computer can act as recording server. If a PC is a server, call data can later be archived (HDD, CD,...).

4.4 Cost Control – BillingMAN / BillingMAN.plus

BillingMAN application offers an advanced system of tariffing and billing calls. *BillingMAN.plus* additionally was equipped with an analysis module, which allows the user to create advanced summaries and find specified types of calls.

5 VoIP in IPL-256 PBX

VoIP functionality in PBX can be divided into two parts:

VoIP subscriber – 1000 VoIP subscribers can be connected to a PBX and up to 124 IP system phones (CTS.IP). All IP phones, that use SIP 2.0 protocol can be used. It can also be a PC software (softphone)..

VoIP trunk – we can log PBX to a VoIP provider account, which uses SIP 2.0 and link other PBX using the same protocol and additionally eSSL.

6 How to activate functions / services in PBX

If we have a system phone, services can be accessed through a phone menu or using one of the programmed keys / BLF. On an analogue phone, activating and deactivating services is made by entering a service code number. Full code list is available in:

Full instruction manual, on:

<http://pubwiki.slican.com>

7 Safety requirements for operating Slican IPL-256 servers

It is essential to comply with the rules governing safety and use to ensure correct operation of this device. Below are the basic elements to be taken into account by the manufacturer in the case of any complaints and claims submitted by the users.

Installation:

1. Only authorised or qualified manufacturer's service teams are allowed to install and initialise the device.
2. All the installation procedures should be performed in compliance with the assembly principles as well as any occupational health and safety regulations.

Workplace Environment:

1. Air humidity: 40-70%
2. Due to the emission of noise (fans in the power supply unit), it is not recommended to mount the server in office rooms, close to where people work.
3. The server must not be located in rooms with high dust concentrations or rooms with high intensity electromagnetic fields.

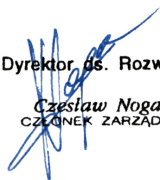
The device may begin to malfunction, be affected by interference, or discolour if installed in places exposed to:

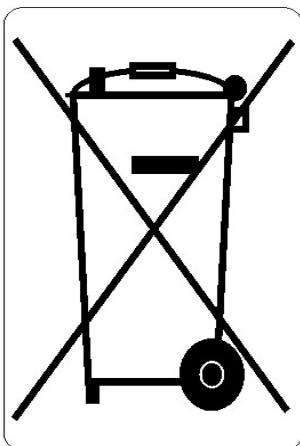
1. Direct sunlight;
2. frequent or strong vibrations or mechanical impacts;
3. live antenna radiation (short wave in particular).

Electrical requirements:

1. The device should have a correct system of setting to zero the power network or must be grounded. Conduct periodic checks of the protective ground/earth.
2. All devices connected to the server must have the certificates of conformity with the current standards for the European Union.

8 Declaration of Conformity and Correct Product Disposal

DEKLARACJA ZGODNOŚCI			CE
Manufacturer: SLICAN sp. z o.o. ul. M. Konopnickiej 18 85-124 Bydgoszcz	Type: Telecommunication server	Model: SLICAN IPL-256	
Product Description: A subscriber telecommunication server with a modular design and a capacity for up to 256 ports. Analogue general purpose phones with decadic and DTMF dialling, Slican's CTS series digital system phones and ISDN terminals (EuroISDN), VoIP terminals (SIP), server's interfaces for mobile telephony and VoIP, door phones and (through an MAB adapter) acoustic devices can be connected to the servers. The server may work with the following: public telecommunications network, using analogue lines with ASS signalling, digital ISDN lines (EuroISDN) BRA, VoIP (SIP), GSM (1800 MHz, 900 MHz).			
The product complies with Directive No. 99/5/EC R&TTE and meets the requirements specified in the harmonised standards mentioned in harmonised standards: PN-EN 60950-1:2007 + A12:2011; PN-EN 55022:2011; PN-EN 55024:2011; PN-EN 61000-3-2:2007 + A2:2010; PN-EN 61000-3-3:2011			
Additional Information: The updated content of Certificate of Conformity is available on our web page at www.slican.pl/deklaracje/ The device also fulfils the requirements regarding the allowed levels of interference for class B devices.			
Bydgoszcz, 04-05-2015		Dyrektor ds. Rozwoju  Czesław Noga CZŁONEK ZARZĄDU	



Proper equipment disposal (used electric and electronic equipment)

This designation placed on product or in texts regarding this product means, that after product operating time it shouldn't be removed together with other household wastes. To avoid harmful influence on natural environment and humans health as a result of uncontrolled waste removal, product should be separated from wastes of other types. It also should be properly recycled to enable reusing resources.

To obtain information about place and mode of environmental safe recycling this product individual user should contact with retail shop or local authorities. Business users should contact with supplier and check contract conditions. Product should not be removed together with other commercial wastes.