

## pbxnsip SIPS Security (PBX-SEC)



Product Name: pbxnsip SIPS Security (PBX-SEC)

Manufacturer: pbxnsip

Model Number: -

Availability: In Stock

Why is security an issue?

Users expect that their phone calls are kept private. Listening to phone calls without permission from a public authority is illegal, and there are frequently cases in the press when this rule is being violated. Unfortunately, there are methods that make it possible to redirect packets in the local area network, for example to a desktop PC (ARP attacks). While you had to get physical access to the cable for TDM-based PBX, you can do this by installing a sniffer tool on your PC.

To address this problem, SIP uses the secure transport layer (TLS), which is also used for web-based security. TLS is based on SSL 3.0. The encryption of the voice packets uses a different standard, SRTP. SRTP is based on AES with at least 128 bit. This should be "pretty private", even if someone is able to relay the packet via PC in the network.

pbxnsip Components

pbxnsip Component\*

Order Code

Description

Domain

PBX-DOM

An instance of the PBX with defined extensions, trunks, auto attendant etc.

Extension\*\*

PBX-EXT

A device that registers the PBX e.g. IP phone, softphone, etc.

Auto Attendant

PBX-AA

An extension that automatically answers calls and facilitates call transfers

Calling Card

PBX-CC

An account that makes it possible to place outbound calls from the PBX.

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### Hunt Group

#### PBX-HG

A grouping of extensions set up to receive calls in order if a line is busy.

### Paging Account\*

#### PBX-PA

A one-way audio communication from one caller to a large group of listeners.

### IVR Node

#### PBX-IVR

An account that allows a telephone caller, to select an option from the menu.

### Agent Group

#### PBX-AG

A queue for incoming calls that allows for dispatch to a list of agents.

### Conference Room

#### PBX-CR

A PBX account acting as a simple conference for multiple participants.

### Trunk

#### PBX-TRK

A connection used to interface with devices that are not registered with the PBX.

### Recording

#### PBX-REC

An option of the PBX that allows for inbound and outbound call recording.

### CDR Reporting

#### PBX-CDR

An option of the PBX that allows for Call Detail Records to be used for billing.

### SIPS Security

#### PBX-SEC

A security option of the PBX that secures calls using TLS, SRTP, and SDP.

### Co-Lines

#### PBX-CO

CO-Lines are associated with trunks, Each trunk may have several CO-Lines.

### Low rate Codec

#### PBX-LRC

A voice comprehension algorithm that compresses voice audio down to 8Kb/sec.

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### \*What is an Account?

We are using the term account to be any of the following: Auto Attendant, Conference, Hunt Group, Agent Group, Calling Card, Paging, Service Flag, and IVR Node. The customer can choose to configure the PBXs accounts so as to meet their needs. You cannot create accounts beyond the number you are licensed for.

### \*\*What is an Extension?

An extension is a special account type that has a phone and a mailbox associated with it. An extension can have multiple phones connected to it with the same extension number.

\*The pbxnsip components above can be added to the base bundles found on pbxnsip Software IP PBX Section

**Please Enquire**