



Synway IPR Series

SynIPR

VoIP Recording Software

Product Introduction

Synway Information Engineering Co., Ltd

www.synway.net

➤ Brief Introduction

SynIPR is a VoIP recording software product, composed of two components SynIPAnalyzer and SynIPRecorder. SynIPAnalyzer is responsible for monitoring and analysis of sessions over IP lines and transferring the RTP packets to be recorded to SynIPRecorder. SynIPRecorder is responsible for recording of the received RTP packets and writing them to the hard disk.

➤ SynIPAnalyzer

1. Functions

- Supports simultaneous monitoring of a variety of protocols on a same line
- Support of D-channel events parsing
- Support of telephone administration
- Support of session administration
- Support of RTP administration
- Supports configuration of monitoring protocols
- Supports a variety of monitoring modes

2. Characteristic Features

- **Flexible Ways to Monitor Protocols and Ports**

SynIPAnalyzer supports the monitoring in a variety of protocols, and will support in more and more protocols. Users can use the relevant configuration items and API functions the driver offers to determine or change the settings on protocol and port monitoring.

- **Multiple Monitoring Modes**

SynIPAnalyzer supports two monitoring modes: Complete and Station. Users can choose or change the mode via API functions to meet different requirements.

- **Abundant Event Types**

SynIPAnalyzer offers a number of event types, including call control event, board state event, media event, terminal event, D-channel event and so on. Users can get enough

information from these events to write application programs.

- **Unified D-channel Event IDs**

For users who ever used the Synway DST series boards, it may be much easier to use SynIPAnalyzer for application programming, as the D-channel event IDs and their meanings for SynIPAnalyzer are totally the same as those for DST series boards.

- **Flexible Authorization Strategy**

This software is authorized by USB KEY with a unique serial number. Users may specify the number of authorized channels or upgrade it if not enough. As long as you tell the serial number of your USB KEY to us, we will provide you the upgrade file which you can use to upgrade by yourself.

- **Authorization Code Identification Circuit**

The on-board authorization code identification circuit is designed for software safety. Users can apply to our company for the authorization code.

- **Synway's Unified SynCTI Driver Development Platform**

Synway owns the intellectual property rights for the unified high-intelligence SynCTI driver development platform. This software can be used with other Synway boards in a same environment, using the unified API functions, configuration items and event interfaces.

➤ **SynIPRecorder**

1. Functions

- Supports a variety of recording formats
- Supports a variety of RTP streaming formats
- Multiple recording methods, including recording of incoming calls, recording of outgoing calls, mix recording of incoming and outgoing calls, are optional
- Support of volume adjustment
- Support of DTMF parsing
- Both file recording and memory recording supported
- Supports more than one way to stop recording
- More than one format optional to save the recording file

- Supports query of recording status
- Support of recording pause and re-recording
- Support of distributed recording
- Support of reconnection from the break point
- Supported quantity of recording resources is configurable

2. Characteristic Features

- **Distributed Architecture**

The driver with the distributed architecture has two ends: Master and Slaver. The Slaver can be connected with the Master in two modes: active connection mode and passive connection mode. In active connection mode, a Master can connect with several Slavers; while in passive connection mode, several Masters can connect with one Slaver. Each Slaver can customize a number of recording resources. Such design effectively solves the problem that total number of recording resources is restricted, making capacity expansion easy.

- **Various Encoding Formats Supported**

Offers a large selection of encoding formats for storage, including A-Law, μ-Law, ADPCM, PCM16, MP3, GSM.

- **Supports Standard WAV File**

The recorded speech files can be edited and played by audio tools such as Cooledit.

- **Various RTP Decoding Formats Supported**

Supports various RTP decoding formats, such as A-Law, μ-Law, ADPCM, G.729ab, etc.

- **Supports Memory Recording**

Encoded voice data can be sent back to Master if necessary to let the application program use them more conveniently.

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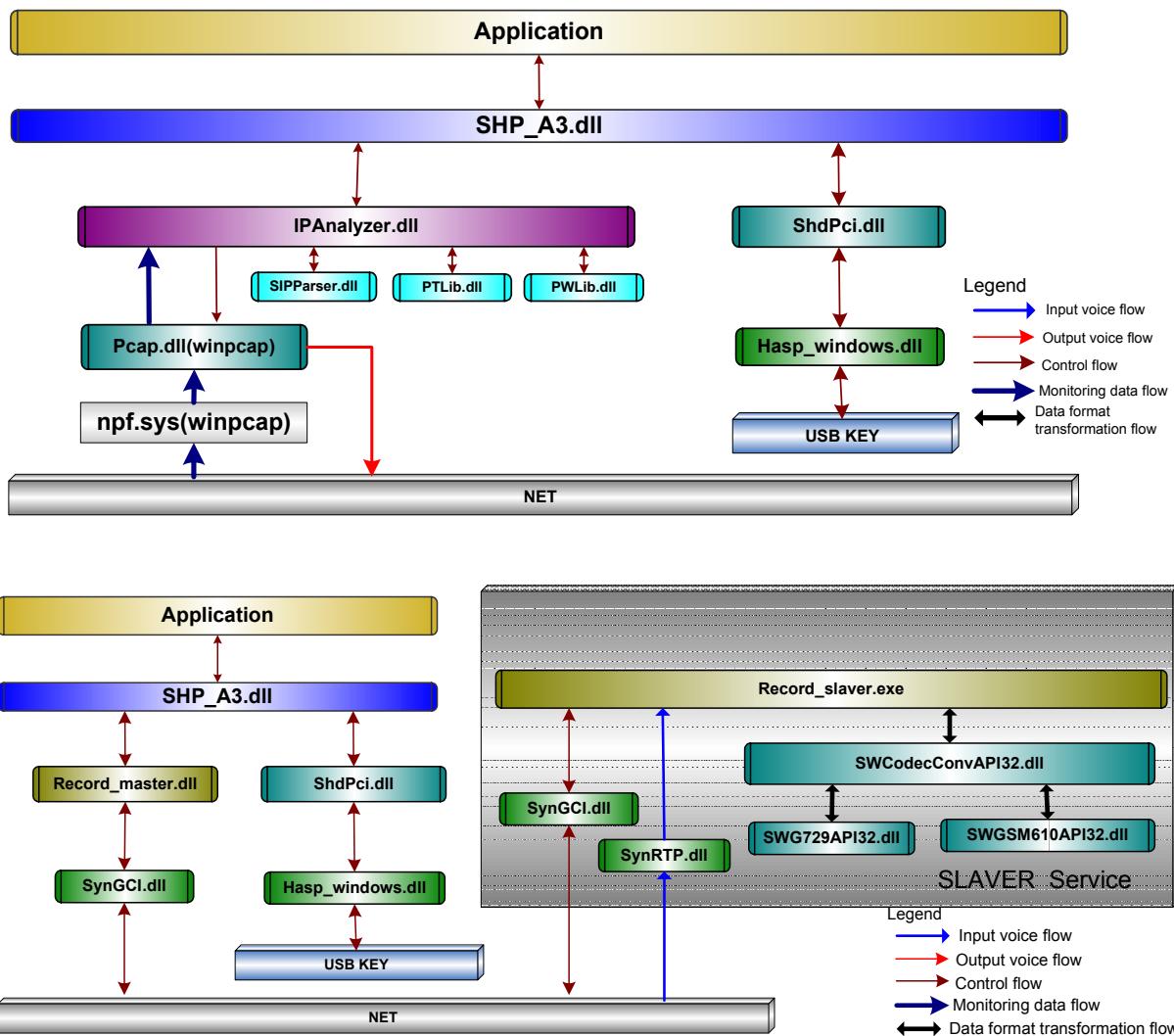
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- **Synway's Unified SynCTI Driver Development Platform**

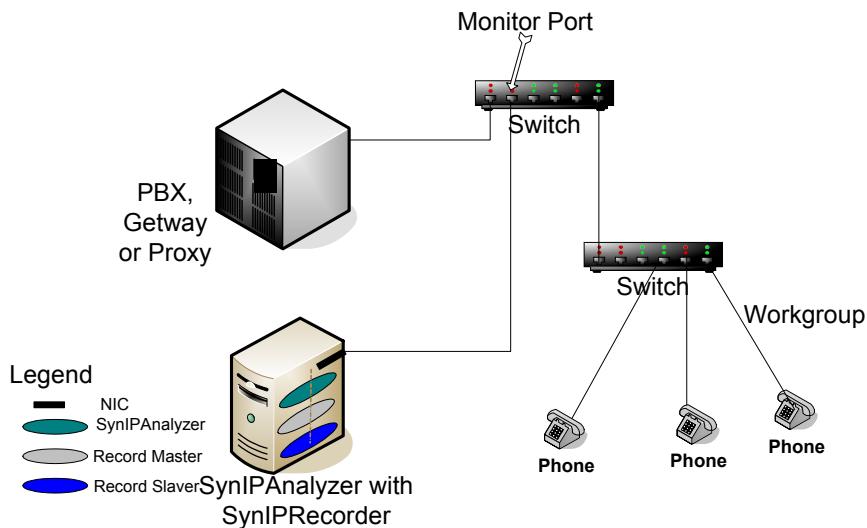
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➤ Operation Principle & Typical Application

- **Operation Principle**

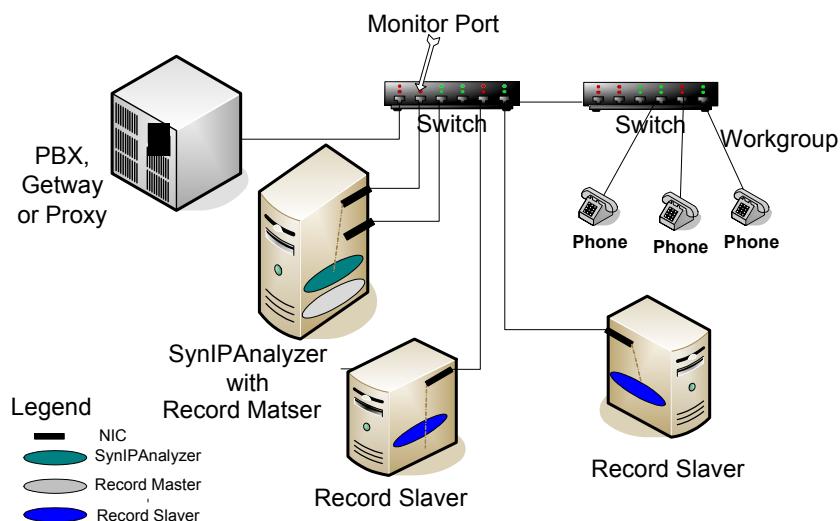


- **Working Strategy of Small-capacity VoIP System**

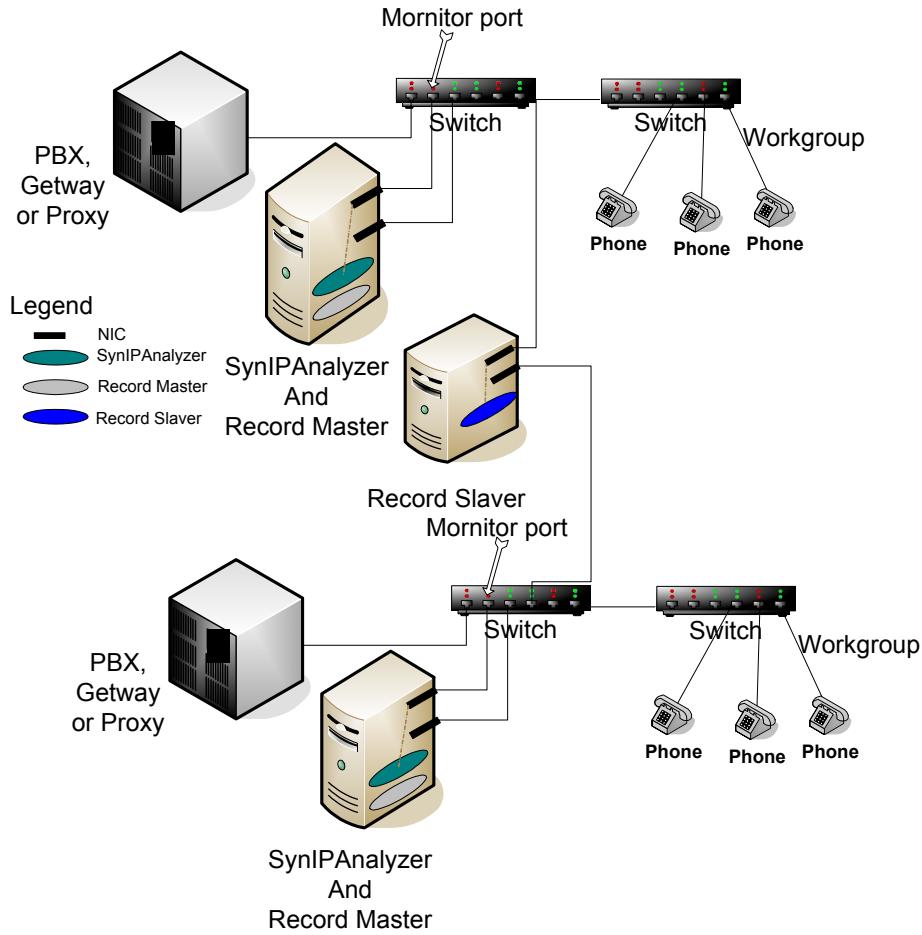


To record the small-capacity VoIP system, SynIPAnalyzer and SynIPRecorder may work in the same server. SynIPRecorder includes two parts: Record Master and Record Slaver.

- **Working Strategy of Large-capacity VoIP System (Active Connection Mode)**



- Working Strategy of Large-capacity VoIP System (Passive Connection Mode)



To record the large-capacity VoIP system, SynIPAnalyzer and SynIPRecorder may work in different servers. SynIPRecorder includes two parts: Record Master and Record Slaver. Record Master and SynIPAnalyzer work in the same server while Record Slaver works in a different server.

➤ Physical Environment

Software/Hardware	Requirement
OS	Windows2000 Professional/Server, Windows XP Professional (SP3), Windows7(32-bit/64-bit), Windows2003 server (32-bit/64-bit), Window2008 server(32-bit/64-bit)
Hardware	CPU: 2.40GHz or higher Memory: 512M or more

➤ Purchasing Guide

The Synway IPR Series VoIP recording software products provide a complete range of features to meet all requirements.

➤ Model Description

Model	Channel Number
SynIPAnalyzer	Designated by user
SynIPRecorder	Designated by user

➤ Technical/sales Support

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TIPS

- All the content and data herein have been scrupulously checked. However, we do not guarantee the absence of errors.
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- Our company reserves the right to modify this document without prior notice and the right for final explanation.