SynHMP

Host Media Processing

With devolvement of enterprise communications, Synway has began to deliver its software-based HMP to offer new values for its partners. Based on its longstanding VoIP and Media Processing knowhow, Synway announced to release its new latest product line---SynHMP, which is based on IP architecture. Its high flexibility and scalability make SynHMP appealing to its existing and prospective users. It is certain HMP is going to be a better efficient engine in the next generation media processing.

Key Values and Benefits

- Reducing Total Cost of Ownership

SynHMP, pure software running on the server side, requires a low cost for acquisition, development, deployment and maintenance. Solutions based on SynHMP can be developed and deployed more easily within shorter time, with outstanding scalability and flexibility. SynHMP is the ideal choice for developing Network Media and it does not require any physical storage in IP environment.

- HMP Running with High Priority

The high priority ensures a continuous and stable operation of the system, SynHMP, as a device driver of core modules, runs with a real-time priority. During initialization, SynHMP initializes all the resources required by its configurations, and activated by an external high-priority interrupt periodically. Because of this, SynHMP prioritizes its use of CPU cycles and would not be interrupted by user-mode applications even if the CPU has been 100% consumed.

- Shorter Time to Market

SynHMP allows developers to focus on the development of new communication system after effortless installation. As a result, the cost of media server and the effort of deployment would be largely reduced. Customers just need to consider about the development and testing of the system and the overall cost will be further reduced.
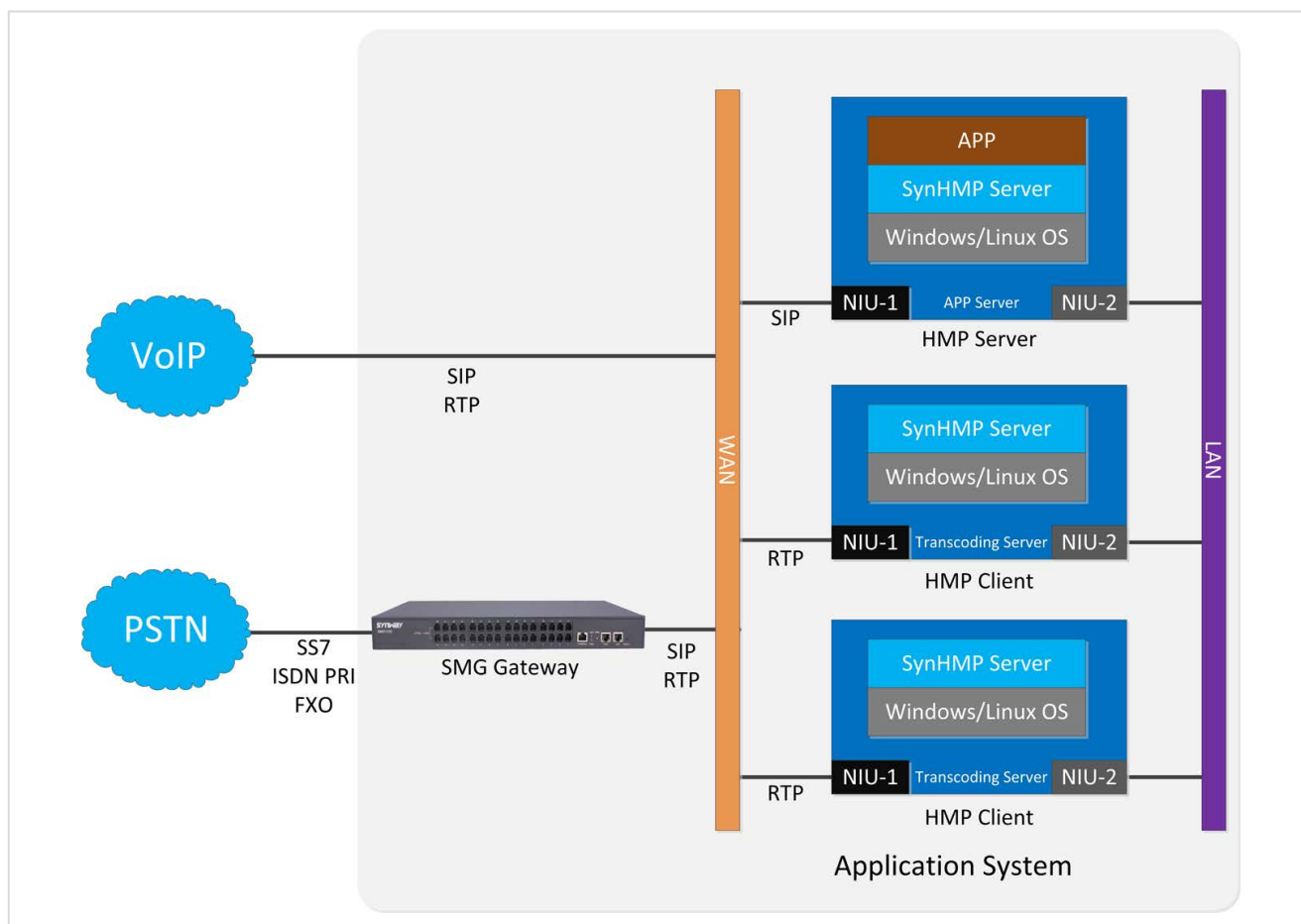
- For High Capacity System

SynHMP powered media applications are able to reach the capacity as much as 2400 channels, leaving 50% of the CPU resources to handle other applications. SynHMP could change the entire environment of VoIP communication system and bring evolution to the way of handling media in telecommunications industry, outperforming the legacy communication systems based on DSP hardware.

Features of HMP server and Client

- Support recording, replay, audio volume control
- Dynamically change coding and decoding modes
- All-Channel simultaneous recording/reply with AGC
- Call transfer and call holding in VoIP context
- Monitor and transmit DTMF(SIP-INFO)
- Flexible IP conferencing and surveillance
- Monitor and transmit DTMF(RFC2833)
- G.711 A-Law, G.711 μ-Law, G.729, AMR-NB, etc.
- Support Barge in
- Support Multiple Programming modes

SynHMP consists of two parts: HMP Server and HMP Client. HMP Client receives and transmits the RTP data from/to HMP Server and the remote point, besides performing data encoding and decoding. HMP Server is to record the received RTP packets and write them to the hard disk, read the voice data from the memory or the hard disk, package them into RTP and transmit it to HMP Client. At the end, HMP client sends the RTP to remote point.

● Flexible Authorization

This software is authorized by USB KEY with a unique serial number. Users may specify the number of authorized channels or expand more Channels later.

● Synway's Unified SynCTI Driver

Synway owns the IPRs for the unified SynCTI driver development platform. This driver and SDK can be used with other Synway products in the same environment, using the unified API functions, configuration parameters and event interfaces.

● Adopt Distributed Architecture

Due to the distributed architecture, the HMP Client and the HMP Server could be distributed into different hosts. The HMP Client connects with the HMP Server in two modes: Active and Passive. Multiple HMP Clients could connect to an HMP server; and the channel number on each HMP Client could be defined, making expansion and upgrading effortless.

Synway

www.synway.net

As a major manufacturer and supplier of communication products and solutions, Synway specializes in providing superior Multimedia Gateway, Integrated Multimedia Switch, Telephony Hardware in use for Telecom communications. Since 1995, over 3,000 service providers, software developers and system integrators have deployed Synway's offerings to deliver a broad range of TDM and VoIP-based applications worldwide, including Unified Communications, SIP Trunking, Call Center, Mobile VAS, Faxing, Conferencing, Call Recording as well as Asterisk-based Open Source Applications. With dedicated teammates and well-known premium services, Synway makes consistent efforts to deliver partners with a variety of customizable, high-performance and cost effective voice communications products.

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