

Get Connected with



SYNWAY®



- VoIP Media Gateway
- Multimedia Platform
- Call Recording HW/SW
- HMP, VoIP & TDM Hardware

VoIP Gateway

Seamless bridge between VoIP & TDM Networks

- Support and interface with all 2G/3G/FXO/FXS/E1/T1 & Transcoding/SBC for carrier, SPs, enterprise;
- User-friendly configuration, GUI, centralized administration, customizable features and functionalities;
- DSP-enabled voice optimization to assure crystal voice quality and maximize bandwidth efficiency;
- High-speed response and connectivity in the extreme network environments, with better run efficiency;
- Telecom grade reliability and continuous high performance in fully loaded capacity and in the long run;
- Homegrown hardware and software technologies to guarantee relevant upgrading and customization;

With over two decades of expertise in signaling and voice technology, Synway VoIP gateway family helps customers access to IP networks from legacy telephony applications more reliably and efficiently. Our field-proven PSTN/IP signaling technology possesses unparalleled and seamless interoperability with any complex network environments, which exponentially reduces your investments and time to markets under any uncertain situations.

Thanks to long standing IP expertise, Synway has brought out a whole new package of VoIP solutions. Our VoIP gateway, different than rivals, not only delivers its high cost advantages, but also features easy-to-use, customizability, Plug-And-Play capabilities, and world-class voice optimization technologies. It ensures seamless interoperability with any complex network environments and also makes the VoIP gateway an ideal option for system integrators, SPs and enterprises.



Models Features	SMG1000	SMG2000S	SMG2000	SMG3000	SMG4000	UNIWAY	SBO	SBC
Segmentation	SMB	SMB Enterprise	Enterprise Carrier	Carrier	Enterprise Carrier	Enterprise Carrier	Carrier	Enterprise Carrier
Sessions	4-32	30-240	30-120	240-1920	4-32	4-600	500-2000	1-500
Network	100M Ethernet	1000M Ethernet						Optional
LAN Port	1-2	2	2	2	1-2	2	2	Optional
TDM interface	FXO/FXS	E1/T1/J1	E1/T1/J1	STM-1	2G/3G/LTE	Hybrid	N/A	N/A
Signaling	SIP/TDM	SIP/ ISDN/ R2/CAS	SIP/MGCP/SS7/SIGTRAN/ ISDN/R2/CAS		SIP/GSM/ CDMA/ WCDMA	Hybrid	N/A	N/A
Media capability	DSP-Based							
Codecs	G.711/729/723/722/iLBC/AMR							
Power Supply	Single	Single/dual	Single/dual	Single/dual	Single	Single/dual	Single/dual	Optional
Media Resources	Echo Cancellation/Fax/conferencing							

MULTIMEDIA PLATFORM

Most cost efficiency and versatile hardware for VAS solution

- Hyper-converged architecture with application, media, signaling, TDM/IP interface, built in server;
- Pay for what you need exactly: high flexible modular design, customizable for individualized needs;
- The integrated platform supports proprietary, open source(Asterisk) & complimentary applications;
- DSP-empowered media processing and signaling to assure Telco grade reliability and availability;
- Telco-grade reliability: optional dual power supply, hot swap, SS7/SIP redundancy, auto-debug;
- Most cost-efficient integrated converged platform worldwide, with advanced DSPs and Processors;

Synway UMCT/SPBX series is an open programmable, integrated multimedia switch platform with multimedia processing and signaling capabilities. In addition to rich media resources, the switch platform helps bridge existing wired and wireless networks with IP networks, and integrates for IP (SIP)/TDM (SS7/ISDN/CAS/R2)/mobility protocols with IVR, fax, conferencing, compression, echo cancellation and other media processing resources.

In Mobile Internet Era with diverse and rapidly-growing needs of Instant Messaging, SPBX series adopts the latest NGN-IP Softswitching and opens a new milestone to maximize network value for SP and application developers. One of major advantage of soft-switching is its BLL and Control Layer's complete independence from equipment, which reduces time to market and introduces innovative applications more efficiently and effectively.



Models	SSW020	SSW030	SSW080	SPBX1000	SPBX2000	SPBX9000
Features						
Segmentation	SMB	SMB/Carrier	Carrier	SMB	SMB/Carrier	Carrier
Interface	TDM/IP					
Signaling	SIP/MGCP/SS7/SIGTRAN/ISDN/R2/CAS/ANALOG					
Media processing	Fax/conferencing/voice/echo cancellation					
Media Capability	DSP-based					
Built in server	ATOM E3845	I5-3210M	I7-3632QM	T5600	I5-3210M	I7-3632QM
Optional Functional module	IP/T1/E1/Analog					
Network interface	2~4*1000M Ethernet					
Sessions	Up to 480	Up to 720	Up to 1,920	Up to 360	Up to 600	Up to 1,920
Dimension L*W*H(mm)	362*442*44	371*442*88	373.5*442*266	430*482.6*44	430*482.6*88	450*482.6*388
Power supply	Configurable for 1~2					

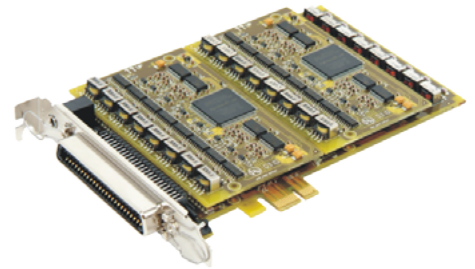
CALL RECORDING SW/HW

Passively Tap Into Any Audio/Radio/Radar Signals

- Interface with most passive tapping categories: analog, digital PBX, BRI, E1/T1/J1, IP, radar, radio;
- Complete range of DSP-empowered Codecs, signal analysis, debug-tools for best performance;
- 7-day application development cycle, effortless migration across all interfaces via a unified API;
- Half-length compact design, PCI/PCIe form factor, could be installed into most mini-sized servers;
- All development toolkits available, customizable application demos specifically for any developers;
- One-stop customer service: help developers evaluate, design, deploy, install, debug and upgrade;

Synway offers the broadest range of call recording hardware platforms. For two decades, Synway has consolidated its position as a leading international call recording hardware solution vendor. Having worked with our products all along, our clients have helped Synway achieve: the most diverse product ranges, greatest scalability, greatest compliance with multi-protocols and multi-networks, and the most installations worldwide.

As one of world's leading manufacturers for recording hardware and software components, Synway offers a wide range of product portfolios for use in all kinds of recording applications including call recording and call logging in legislature, call centers, financial dealing, and control/command operations. Our analog/digital boards are equipped with multiple DSP-based voice-processing capabilities like G.729, GSM, G.711 A-law, μ -law, Linear PCM, IMA-ADPCM, MP3, VOX format etc.



Models Features	SYNIPR	SYNRRP	ATP	DST	DTP	RADAR	PCM32	ATP2400
Interface	Software	SIP	Analog	Digital extension/ BRI	E1/T1/J1	Radar	PCM	Analog Standalone Chassis
Form factor	N/A	N/A	PCIe/PCI	PCIe/PCI	PCIe/PCI	PCIe/PCI	PCIe/PCI	None
Physical interface	N/A	N/A	RJ11/RJ21	RJ45	RJ48	RJ11	RJ48	RJ11
Media processing	DSP-based							
Signaling	SIP/MGCP	Radio	Analog	BRI/ PBX Extension/ Phone set	ISDN/R2/ CAS	Radar	PCM32	Analog
Capacity Per Unit	10-2000Chs	10-2000Chs	8-24Chs	8-24Chs	30-120Chs	1-4Chs	120Chs	8-24Chs
Maxi. Capacity per system	2,000Chs	2,000Chs	240 Chs	240 Chs	1,200 Chs	64 Chs	1,200 Chs	24 Chs
Codecs	G.711/729/723/722/GSM/VOX							
Start/stop	VOX/voltage/DTMF							
Certificate	International							
MTBF	Non-due	Non-due	120,000Hrs	150,000Hrs	120,000Hrs	120,000Hrs	120,000Hrs	80,000Hrs

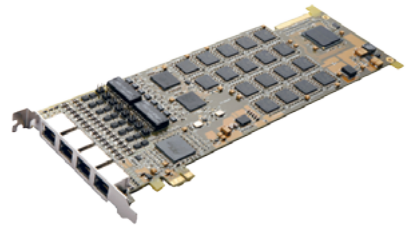
HMP, VoIP & TDM Boards

Powerful media processing and signaling capability

- HMP or DSP-based architecture, and Interface with both TDM/IP networks: analog, E1/T1/J1 and IP;
- DSP-based media processing(fax, conferencing, codecs, EC) & signaling(SIP/SS7/ISDN/SIGTRAN);
- Pay for your need: complete portfolios and diversify in capacity, interface, media, SW/HW;
- 7-day application development cycle, effortless migration across all interfaces via a unified API;
- All development toolkits available, customizable application demos specifically for any developers;
- One-stop customer service: help developers evaluate, design, deploy, install, debug and upgrade;

Synway has been major provider in the CTI industry since the past twenty years, and has won much recognition from worldwide partners. Its field-proven HMP, IP & TDM hardware platform offers powerful media processing and signaling capability with rich on-board DSP resources. With integrated resources, Synway voice boards are based on pure all-in-one architecture and allows for various customizations.

Synway's HMP software and IP/TDM boards consist of four product lines: software-based SYNHMP for IP media processing and signaling, SHN series for IP network, SHD series for E1/T1/J1 PSTN network, and SHT series for analog interface. Besides a complete range of media resources, such as fax, conferencing, compression, voice distortion, echo cancellation for voice enhancement, these product lines also combine various built-in DSP-empowered signaling protocol software packets, which include SIP, SS7 (ISUP/TCAP/TUP/MTP), SIGTRAN, ISDN variants, CAS, R2 and more.



Models	SYNHMP	SHN	SHD	SHT	SHF	USB	SHV
Interface	SIP (Software)	SIP (DSP-based)	E1/T1/J1	Analog	Analog Fax machine	Analog	E1/T1/J1
Form factor	N/A	PCIe/PCI				USB	PCIe/PCI
Media processing	Fax/conferencing/Codecs/EC				Faxing and voice	Conferencing FAX/Codecs/EC	Magic voice
Physical interface	N/A	RJ48	RJ48	RJ45	RJ11	RJ11	RJ48
Signaling	SIP/MGCP/SIGTRAN	SIP/MGCP/SS7/SIGTRAN/ISDN/R2/CAS/ANALOG	SS7/ISDN/R2/CAS/ANALOG	Analog	Analog	Analog	N/A
Capacity per unit	1~2,400chs	30~480chs	30~2,40chs	2~16chs	1~4chs	2~4chs	Up to 2000 Chs
Codecs	G.711/729/723/722 GSM/VOX	G.711 /ADPCM/GSM/VOX/MP3			T.38	G.711 ADPCM GSM/VOX/MP3	N/A
API	Unified for all Synway's products						
Certificate	Software standard	International					
MTBF	Non-due	150000hrs	150000hrs	120000hrs	120000hrs	120000hrs	150000hrs



Since
1992



CTI and
VoIP Gateway



1000+
Employees



3000+
Partners

As a leading VoIP enabling-technologies provider in China, Synway has been partnered with applications & solution providers worldwide to deliver turkey solutions for enterprises and telecom carriers. Based on long-standing business network, Synway's appliances and equipments, with third-party compliant software platforms from mainstream application providers, have served 5,000 plus customers, including contact centers, financial institutes, public security, government agencies, service providers, hospitality and operators.

In ever-changeable environments, Synway's long-term goal would be of partnership with vendors of cloud-based unified communications, providing enterprises and SPs with a complete range of cloud-based applications, including Video and Audio Conferencing, Contact Center, IP-PBX, Unified Messaging, Social Media Services and more. For in-house IPR and better customer value, Synway provides strategic partners with customized OEM or ODM services to localize more efficiently. To achieve 0-defective rate, Synway has adopted ISO9001, CE, FCC, RoHS, 3C and more since 2001.

Synway Information Engineering Co., Ltd. (Headquarter)

Synway R&D Building, No.3756, Rd. Nanhuan.

Binjiang District, Hangzhou, P.R.China 310053

Tel: (86) 571 88860561

Fax: (86) 571 88850923

Email: info@synway.net

All Copyrights are reserved. Aug 2016

Technical Support

Tel: (86) 571 86692545

Tel: (86) 571 88864579

Mobile: (86) 18905817070 (24*7)

Email:techsupport@synway.net

No notice for any change in future in this catalog, For more information or latest update, please visit Synway website.