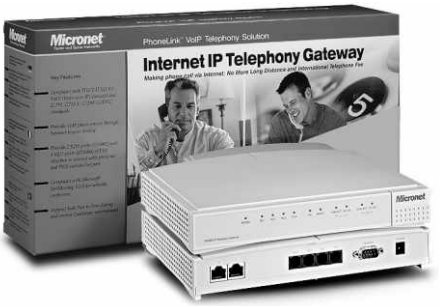
Micronet
Faster and Easier Networks



Micronet SP5012/SP5014 Series

FXO + FXS VoIP Gateway

A Versatile and Intelligent Combination

Micronet SP5012 / SP5014 is a multi-port gateway. It supports an innovative intelligent call routing function that transparently routes calls to destination either through PSTN or Internet. SP5012 / SP5014 provides voice over IP and FAX over IP services for Internet Telephony Services Provider (ITSP/ISP) and Office/SOHO IP-PBX application.

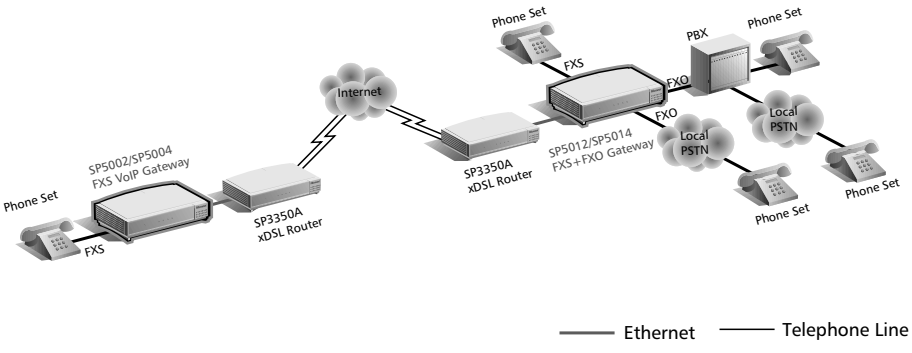
Multi-function - SP5012 / SP5014 integrates FXO and FXS interfaces in the same device. For those who need VoIP call service for PBX, PSTN and regular telephone, SP5012 / SP5014 is the right choice.

Industrial Standard Compliance - Complied with ITU-T H.323 standard, SP5012 ensures interoperation among different venders. SP5012 / SP5014 also supports several Codec standards, including G.711A/μ law, G723.1, G729A/B/AB. Users are able to set preferred sequence for their environment.

High Quality of Voice - Micronet SP5012 / SP5014 is equipped with high performance G.168/165-compliant adaptive echo cancellation to eliminate noise and feedback. The Voice Activity Detection (VAD) saves bandwidth by delivering voice, not silence. Users can experience regular telephone call quality with Comfort Noise G1eneration (CNG). Also, the Dynamic Jitter Buffer of SP5012 is capable of reducing jitter artifacts of voice over IP.

Key Features

- Compliant with ITU-T H.323 v2/v3/v4 standard
- Two to four RJ-11 ports, for PSTN and PBX's extension and for regular telephone
- Two RJ-45 ports, one for Ethernet/PPPoE device and one for local connection
- Compliant with G.711A/u law, G723.1, G729, G729A, G929B, G729AB CODEC standard
- Support both Peer to Peer dialing and central Gatekeeper environment



In Inter-buildings application, multiple LANs can links together through Access Points with Inter-building bridge function. Users in different building could share network resource, The distance between different locations can extend to a few miles through Micronet high-gain antenna.

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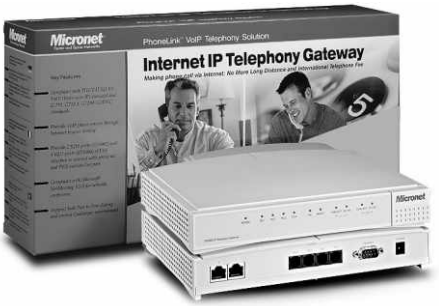
FXO + FXS VoIP Gateway

SPECIFICATION

Model	SP5012	SP5014
Standard	ITU-T H.323 v2/v3/v4 Standard IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX	
RJ-11 ports	one FXO and one FXS	two FXO and two FXS
Port	2 RJ-45 ports for linking to Ethernet/PPPoE device 1 console port for linking to console cable	
LED Indications	System : Power, Ready, Status Port : Link/Act, 10/100, Line1 - Line2, Tel1 -Tel2	
Voice Codec	G.711A/μ law, G723.1, G729, G729A, G729B, G729AB	
Voice Features	VAD (silence suppression) CNG (comfort noise generation) Dynamic Jitter Buffer (adaptive and configurable)	
Temperature	Operating : 0 - 40 degree C Storage : -20 - 70 degree C	
Operating Humidity	10% to 90%	
Power Supply	DC 12V input	
Dimension	23 cm x 15 cm x 3.8 cm (W x D x H)	
Weight	0.36 kg	
Certifications	FCC part 15 Class A, CE	

ORDERING INFORMATION

Model	Description
SP5012	Internet VoIP Gateway, two RJ-45 Ports: one FXO Interface for PSTN and PBX, one FXS interface for regular telephone
SP5014	Internet VoIP Gateway, two RJ-45 Ports: two FXO Interface for PSTN and PBX, two FXS interface for regular telephone



SP5012/5012 FXO + FXS VoIP Gateway

COMPANION PRODUCTS

Consider these related 10/100/1000 Mbps Micronet products as a factor in your network planning

- Ethernet Adapter for Desktop PC
- PCMCIA Ethernet
- PCMCIA Ethernet + Modem
- PCMCIA Modem
- CompactFlash Adapter
- Ethernet Hub
- Ethernet Switch
- Ethernet Repeater
- Ethernet Transceiver
- Ethernet Converter
- Wireless LAN Solution
- Analog Modem
- ISDN TA and Router
- xDSL Modem and Router
- VoIP Telephony
- Print Server
- Internet IP Sharer
- USB Device Family
- Wiring System
- KVM Switch
- SNMP Network Management
- RMON Network Management
- Web-Based Network Management

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