

KW2300 Datasheet

Introduction:

KW2300 is a 2.4GHZ wireless VoIP phone based on SIP, which supports a valid transmission range from 30~260 meters. It provides a FXO port connected to PSTN network. FXO port not only provides choice of PSTN incoming calls and out-coming calls, but realizes call transfer and second dial between PSTN and VoIP.

KW2300 also supports auto new version download, auto new version check and, auto upgrade

KW2300 Specification

Standards	IEEE 802.3
Device Management	Web-Based - Internet Explorer v6 or later;
Function	Router/Bridge
<u>VoIP Functions</u>	<u>VoIP Specifications</u>
Call Control Protocol Compliance	SIP
Voice Compression	G.711A, G.711 μ , G.723.1, G.726 G.729 audio codec and GSM Echo Cancellation: G.165
Ethernet Ports	LAN: 10/100Base-T Ethernet Port (MDI-II) PC: 10/100Base-TX Fast Ethernet Ports (MDI-X) IEEE 802.3 10/100 BASE-T Ethernet compliance TCP/IP, UDP, ARP, ICMP, TFTP, HTTP
Network Protocols	DHCP: Dynamic Host Configuration Protocol client PPP over Ethernet Client
Support DDNS	
Support VLAN	
Support Tos Diff-Serv	Signal and RTP
Support Syslog	Can send the server the request log type
Support DMZ	
Support PPTP (VPN)	
Support Virtual Server	
DTMF	Inbound/SIP INFO/RFC2833 Telnet function Manage functions through an intuitive web-based graphical user interface
Network Management	HTTP: Hyper Text Transfer Protocol provides firmware upgrade
Security	Administration password through Web MD5

Technical Parameters

LCD	2*10 Character + 1*16 number LCD
Number of Ports	Two LAN port :(10/100 Base-T Ethernet) RJ45 ports to connect to your Internet access modem or Local Area Network
Power Input	External Power Supply DC 9 V, 300mA for power charger and 9V, 700mA for box power.
Distance	30~260M
Storage Temperature	-10° to 65° C
Humidity	10% to 90% no dew
Operating Temperature	0 to 50° C
Dimensions	Box: 178x 119x 32mm (L x W x H) Handset: 165 x 30x 45mm (L x W x H)
Certification	FCC Part15 CLASS B /CE Delay: Less than 400ms
Recommend usage net condition	Jitter: Less than 100ms Package lost percent: Less than 10% Bandwidth: More than 56Kbps

Characters

Program Memory	2048KB Flash memory
Keypad	Standard keys 0-9,*,#, plus 9 other function keys for operation and setting of phone
Hand Free Function	Half duplex speakerphone, dial-tone, speaker and loudspeaker volume can be digitally adjusted independently
Log on Soft-switch	Automatic searching for soft-switch platform
DHCP	Support DHCP
PPPoE	Support PPPoE Voice Active detection Comfort noise generation
Voice Quality Guarantee	16ms echo cancellation Dynamic buffer management—minimize effect to voice quality caused by audio delay jitter

Functions

Call History	Stores the most recent: 64 Missed, 64 Received, and 64 Dialed Calls.
Phonebook	Programmable for up to 140 telephone numbers
Speed Dialing	8 speed dial buttons
Volume Adjust	Adjust the volume of handset, speaker and ring
Call duration display	Show real time call duration
Redial	Supports Last Number Redial
Dialing Plan	Dialing Plan support
Status Indicator	LCD/Web displays register status

Speaker	Hands free
Mute	Mute
Support Local update	Support local HTTP update
Support auto provisioning and auto update	Support auto provisioning, auto new version check and auto upgrade by HTTP/FTP/TFTP mode
Can switch to PSTN	Can make or receive PSTN call if FXO port be connect to PSTN
Support the call from VoIP to FXO	After authenticated, can make a call from VoIP to PSTN by pass FXO
Support the call from FXO to VoIP	After authenticated, can make a call from PSTN to VoIP by pass FXO
Hot line	The terminal will auto dial out the number you preset when you pick up it.
Wake up alarm	The terminal will ring at the time you preset.
<u>Advanced Features</u>	
Support Caller Display	LCD displays incoming call information: number or name
Support Balance Display	LCD displays the balance of user account
Call hold	During a call press "HOLD" to put a part on hold and press "hold" again to retrieve the party.
Call transfer	When an incoming call is answered, press XFER key, can make a call transfer. When a new call comes in while you are on a call, you will receive "Call waiting tone". To receive this call, press the "HOLD" button on the device.
Call waiting	
MWI	Support MWI information form softswitch
Do Not Disturb	The incoming calls will be reject, and will be add to MISSED CALLS
3-Way calling	Support 3-way calling
Multiple lines	Support 3 different accounts register to 3 different servers. Includes offline call forwarding and online call forwarding.
Call Forwarding	There are 3 types of Online forwarding: No Answer, Busy, and Always. Support call forward from VoIP to VoIP and VoIP to PSTN.