

KTA2110 Datasheet

Introduction:

KTA 2110 are interface devices that connect your existing telephone to your Local Area Network or High Speed Internet connection to allow you to reduce your telephony costs. By taking advantage of your existing investment in high speed internet, you can make calls through your Voice Over IP service provider to make and take calls with the highest quality voice and have access to advanced features.



KTA2110 Specification

Network Functions

Standards

Device management

Function

VoIP Functions

Call control protocol

Compliance

Voice compression

Analog voice ports

Ethernet ports

Network protocols

Support DDNS

Support VLAN

Support Tos Diff-Serv

Support Syslog

Support DMZ

Support PPTP

Support Virtual Server

Network management

DTMF

Router Specifications

IEEE 802.3

Web-Based - Internet Explorer v6 or later

Router/ Bridge

VoIP Specifications

SIP

G.711A, G.711 μ , G.723.1, G.726 G.729 audio codec and GSM

Type: Loop-Start FXS interfaces

Echo Cancellation: G.165/G.168

WAN: 10/100 Base-T Ethernet Port (MDI-II)

LAN: 10/100 Base-TX Fast Ethernet Ports (MDI-X)

IEEE 802.3 10/100 BASE-T Ethernet compliance

TCP/IP, ICMP, ARP, UDP, FTP, HTTP, Telnet

DHCP: Dynamic Host Configuration Protocol client

PPP over Ethernet Client

Telnet provisioning

Manage functions through an intuitive web-based graphical user interface

Inbound/SIP INFO/RFC2833

Security	Password Authentication Protocol/Challenge Handshake Authentication Protocol (PAP/CHAP) Administration password through Web
<u>Technical Parameters</u>	
LEDs	LAN WAN Power Line Phone LAN LAN port :(10/100 Base-T Ethernet) RJ45 port to connect with PC WAN port :(10/100 Base-T Ethernet) RJ45 port to connect to your Internet access modem or Local Area Network PHONE Port (FXS) Connects to your telephone. PSTN Port Connects to your existing telephone wall jack. This allows you to access your existing telephone service for local calls.
Number of Ports	
Power input	External Power Supply DC 12V, 500mA
Storage temperature	-10° to 65° C (-22° to 149° F)
Humidity	10% - 90% non-condensing
Operating temperature	0 to 50° C (32° to 122° F)
Dimensions	108x 72x 26mm (L x W x H)
Impedance	Can be select
Certification	FCC/CE
Recommend usage net condition	Delay: Less than 400ms Jitter: Less than 100ms Package lost percent: Less than 10% Bandwidth: More than 28.8Kbps
<u>Feature Summary</u>	
Basic port	Two RJ45 ports compatible with IEEE 802.3 10/100 Base-T, One FXS port, One Line port
Log-in to Specific Softswitch Platform	Automatic searching for soft-switch platform
Voice quality guarantee	Voice Active detection Comfort noise generation Echo cancellation Dynamic buffer management—minimize effect to voice quality caused by audio delay jitter
DHCP	Support DHCP
PPPoE	Support PPPoE
FXS and Console Support	Line (bell type service) and Phone (telephone) ports
Voice quality guarantee	Voice Active detection

Comfort noise generation
16ms echo cancellation
Dynamic buffer management—minimize effect to voice quality caused by audio delay jitter

Functions

Dialing plan	Dialing Plan support
Status indicator	Web displays register status
Support local update	Support local HTTP update
Support remote update	Support remote HTTP update
Support automatically new version check	
Router/ Bridge function	Default is router function
Support Tos/DiffServ	You can have a special tag on RTP and call signal packet
Support remote configuration update	Support automatically remote HTTP/FTP/TFTP configuration update
Caller number can be transport to phone	Caller number can be transport to phone, support FSK
Can switch to PSTN	Can make or receive PSTN call if line port be connect to PSTN
Can adjust volume	Input gain and output volume can be adjust
Hot line	The terminal will auto dial out the number you preset when you pick up the phone.
Wake up alarm	The terminal will send ring tone to phone at the time you preset.
Provide CPC signal	
Provide polarity revise signal	Can work with the billing machine which support polarity revise signal
Can automatically reject anonymous incoming call	

Advanced Features

Call hold	
Call transfer	Attendant transfer, Blind transfer
Call waiting	
MWI	Support MWI information form softswitch
Do Not disturb	
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 pass through
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Support T.38 FAX**