

# KTA2110(O) Datasheet

## Introduction:

KTA2110(O) 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. The FXO port and Auto answer function can provide you a second dial function both a VoIP incoming call and PSTN incoming call. The call forward function can by pass FXO port or Internet.



## **KTA2110(O) 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 $\mu$ , 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

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

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

## **Functions**

<b>Dialing Plan</b>	Dialing Plan support
<b>Status Indicator</b>	Web displays register status
<b>Support Local update</b>	Support local HTTP update
<b>Support auto provisioning and auto update</b>	Support auto provisioning, auto new version check and auto upgrade by HTTP/FTP/TFTP mode
<b>Router/ Bridge function</b>	Default is router function
<b>Support Tos/DiffServ</b>	You can have a special tag on RTP and call signal packet
<b>Support remote configuration update</b>	Support automatically remote HTTP/FTP/TFTP configuration update
<b>Caller number can be transport to phone</b>	Caller number can be transport to phone, support FSK
<b>Can switch to PSTN</b>	Can make or receive PSTN call if FXO port be connect to PSTN
<b>Can adjust volume</b>	Input gain and output volume can be adjust
<b>Hot line</b>	The terminal will auto dial out the number you preset when you pick up the phone.
<b>Support the call from VoIP to FXO</b>	After authenticated, can make a call from VoIP to PSTN by pass FXO
<b>Support the call from FXO to VoIP</b>	After authenticated, can make a call from PSTN to VoIP by pass FXO
<b>Wake up alarm</b>	The terminal will send ring tone to phone at the time you preset.
<b>Provide CPC signal</b>	
<b>Provide polarity revise signal</b>	Can work with the billing machine which support polarity revise signal
<b>Can automatically reject anonymous incoming call</b>	
<b>Trunk Gateway</b>	VoIP incoming call relay to PSTN(VoIP incoming call pass to PSTN directly)
<b>Emergency/ special direct call</b>	Emergency/special number direct dial from FXO to PSTN

## **Advanced Features**

<b>Call hold</b>	
<b>Call Transfer</b>	Attendant transfer, Blind transfer
<b>Call waiting</b>	

<b>MWI</b>	Support MWI information form softswitch
<b>Do Not disturb</b>	
<b>3-Way calling</b>	Support 3-way calling
<b>Multiple lines</b>	Support 3 different accounts register to 3 different servers. Includes offline call forwarding and online call forwarding.
<b>Call Forwarding</b>	There are 3 types of Online forwarding: No Answer, Busy, and Always. Support call forward from VoIP to VoIP and VoIP to PSTN.
<b>Support Pass through</b>	
<b>FAX</b>	
<b>Support T.38 FAX</b>	