

# KTA3000 Datasheet

## Introduction:

Converts any ordinary telephone into a VOIP Phone.

Plug the KTA3000 into any ADSL modem and then plug in any regular phone handset, fax machine or cordless phone.

Unit includes a full DHCP router (avoiding the need for an additional router) and enables you to connect two phone devices and use them simultaneously. The KTA3000 can be used to create **two** outgoing VOIP lines on an office PABX



## Features:

- Includes a full DHCP configurable router – no additional router needed.
- 2 FXS ports to enable two telephone devices to make calls simultaneously
- Each FXS port can be configured with a separate account
- Voice packets are prioritized over data packets

## **KTA3000 Specification**

### **Router Functions**

#### **Standards**

### **Router Specifications**

IEEE 802.3  
IEEE 802.3u

### **Features**

#### **NAT Support**

NAT (Network Address Transition)

#### **QoS Support**

Quality of Service Support (Requires QoS enabled Router)

#### **Device Management**

Web-Based - Internet Explorer v6 or later; Netscape Navigator v6 or later; or other Java - enabled browsers.  
DHCP Server and Client

### **VoIP Functions**

#### **Call Control Protocol**

SIP

#### **Voice Compression**

G.711 (A-law and U-law), G.723, G.729a, G.726

#### **Analog Voice Ports**

Type: Loop-Start FXS interfaces  
DTMF tone detection/generation  
FAX tone detection  
Echo Cancellation: G.165/G.168

#### **Ethernet Ports**

WAN: 10/100Base-T Ethernet Port  
LAN: NWay 10/100Base-TX Fast Ethernet Ports (MDI-X)  
IEEE 802.3 10/BASE-T Ethernet compliance  
IEEE 802.3u 100Base-TX Fast Ethernet compliance

#### **FAX Support**

T.38  
Supports voice Packet prioritization - Example: TOS Bit

#### **Network Protocols**

TCP/IP, UDP, ARP, ICMP, TFTP, Telnet, HTTP  
DHCP: Dynamic Host Configuration Protocol client  
NAT: Network Address Translation  
PPP over Ethernet Client  
Manage functions through an intuitive web-based Graphical user interface

	TFTP: The built-in Trivial File Transfer Protocol provides Firmware upgrade
<b>DTMF</b>	Inbound/outbound/RFC2833/inbound and outbound
<b>Security</b>	Password Authentication Protocol/Challenge Handshake Authentication Protocol (PAP/CHAP) Administration password through Web and SNMP Packet filter by IP address, port number and protocol
<b><u>Technical Parameters</u></b>	
<b>LEDs</b>	Power: power on LED SYS: system WAN: network data being transmitted LAN: network data being received FXS1:phone in operation FXS2:phone in operation
<b>Number of Ports</b>	One WAN port :( 10/100 Base-T Ethernet) RJ45 port to connect to ADSL modem or Local Area Network One LAN port: ( 10 Base-T Ethernet) RJ45 port to connect a PC or local network Two loop-start FXS RJ-11 ports
<b>Power Input</b>	External Power Supply DC 12V, 500mA
<b>Storage Temperature</b>	-30° C to 65° C
<b>Humidity</b>	5% - 95% non-condensing
<b>Operating Temperature</b>	-10° C to 40° C
<b>Dimensions</b>	178 × 123 × 34mm (L × W × H)
<b>Safety</b>	FCC/CE/A-Tick
<b>Recommend usage net condition</b>	Delay: Less than 400ms Jitter: Less than 100ms Packet loss: Less than 10% Bandwidth: More than 56Kbps
<b><u>Feature summary</u></b>	
<b>Call Hold/ Retrieve</b>	User on a call with person B can put B on Hold and call C.
<b>Do Not Disturb</b>	Once enabled, the unit will reject any incoming call and the caller will simply hear a busy tone
<b>Call Transfer</b>	Allows a call to be answered and then be transferred to a third party. Blind Transfer or Attendant Transfer
<b>3-way Conference calling/ Split 3-way calling</b>	During a call, user can press flash to dial a third party's number, and then press the flash again to connect both calls into 3-way conference
<b>Call Waiting</b>	Flash can be used to answer an incoming call while on an existing call.
<b>Call Forward</b>	3 types of forwarding: No Answer, On Busy, and Always.
<b>Call Return (Callback)</b>	Call back the last incoming call.
<b>Router Function</b>	Router function support
<b>Simultaneous two-way VoIP Support</b>	Two-way VoIP support
<b>Caller ID Transfer</b>	
<b>Supports T.38 FAX</b>	
<b>Supports IP Relay</b>	Put the device before your PABX and use 1 account on all the FXS ports.