

# KTA3000 Datasheet

## Introduction:

KTA3000 Terminal Adaptor combines the functions of Internet routing and security with the power of Voice over IP, telephony. Using the KTA3000 instead of a traditional router, you can connect a telephone and reduce your Telephony costs. The KTA3000 connects to your broadband internet access (LAN, DSL or Cable Modem) and connects both your computer and telephone. It performs all of the tasks to encode your voice during telephone conversations, protects your computer from intrusion and routes /prioritizes internet data packets. The KTA3000 allows you to leaver your investment in High Speed Internet to provide you with high quality, highly featured telephone services.



## **KTA3000 Specification**

### **Router Functions**

#### **Standards**

#### **Features**

#### **NAT Support**

#### **QoS Support**

#### **Device Management**

### **VoIP Functions**

#### **Call Control Protocol**

#### **Compliance**

#### **Voice Compression**

#### **Analog Voice Ports**

#### **Ethernet Ports**

#### **Quality of Service**

#### **FAX Support**

### **Router Specifications**

IEEE 802.3

IEEE 802.3u

NAT (Network Address Transition)

Quality of Service

Web-Based - Internet Explorer v6 or later; Netscape

Navigator v6 or later; or other Java - enabled browsers.

DHCP Server and Client

### **VoIP Specifications**

SIP

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

Type: Loop-Start FXS interfaces

DTMF tone detection/generation

FAX tone detection

Echo Cancellation: G.165/G.168

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

Voice service is prioritized over the data traffic

T.38

	Supports voice Packet prioritization - Example: TOS Bit 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>Network Protocols</b>	
<b>DTMF</b>	Inbound/outbound/RFC2833/inbound and outbound Password Authentication Protocol/Challenge Handshake Authentication Protocol (PAP/CHAP)
<b>Security</b>	Administration password through Web and SNMP Packet filter by IP address, port number and protocol
<b><u>Technical Parameters</u></b>	
	Power: power on LED SYS: system
<b>LEDs</b>	WAN: network data being transmitted LAN: network data being received FXS1:phone in operation FXS2:phone in operation One WAN port :( 10/100 Base-T Ethernet) RJ45 port to connect to your Internet access modem or Local Area Network One LAN port: ( 10 Base-T Ethernet) RJ45 port to connect to your PC or HUB, switch Two loop-start FXS RJ-11 ports
<b>Number of Ports</b>	
<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 x 123 x 34mm (L x W x H)
<b>Safety</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 56Kbps
<b><u>Functions</u></b>	
<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 remote update</b>	Support remote HTTP update
<b>Support remote configuration update</b>	Support automatically remote HTTP configuration update

**Auto new version check  
and upgrade**

**Router/ Bridge function**

Default is router function

**Support Tos/DiffServ**

You can have a special tag on RTP and call signal packet

**Caller number can be  
transport to phone**

Caller number can be transport to phone, support FSK

**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.

**Provide CPC signal**

**Provide polarity revise  
signal**

Can work with the billing machine which support polarity revise signal

**Can automatically reject  
anonymous incoming  
call**

**Can make a private call**

Do not send your caller ID out

**Inbound IP relay  
function**

This function can let you put this device before/over your PABX and only use 1 account on all the FXS ports.

**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

Includes offline call forwarding and online call forwarding.

**Call Forwarding**

There are 3 types of Online forwarding: No Answer, Busy, and Always.