

KEENETIC



LINEAR

Two-Port Analog Telephone USB Adapter

Keenetic Linear is an adapter developed especially for the Keenetic range of USB equipped Mesh Wi-Fi routers that adds telephony to your Wi-Fi setup. Linear allows users to connect wired analog phones and DECT phone bases to their Keenetic Router and enjoy all the services of modern digital telephony combined with the speed, reliability and exceptional coverage of Keenetic Mesh Wi-Fi.

Simply attach the 'Linear' to your Keenetic Router via the supplied USB cable and connect up to two analog phones or DECT base stations or a combination using the Linear's 2 RJ-11 FXS ports. Not just VOIP, the Keenetic Linear's operating system also delivers all the functionality of a micro-PBX to your home or business, with a Keenetic Linear / Mesh Wi-Fi Router combination you can enjoy simultaneous high-quality access to the Internet, corporate networks, and telephony, and with KeeneticOS you have the flexibility to choose the call processing scenario that best suits your needs.

KEY FEATURES

- **Model number**
KN-3110
- **USB ports**
USB 2.0
- **Telephony support**
2 x RJ-11 FXS

SYSTEM REQUIREMENTS

- **Compatible Keenetic router**
- **One or two analogue phones**

NETWORK FEATURES

- **SIP 2.0 (RFC 3261)**
- **SIP over TCP**
- **SIP over UDP**
- **SIP over TLS**
- **SDP (RFC 2327)**
- **RTP (RFC 1889)**
- **RTCP (RFC 1890)**
- **STUN (RFC 5389)**
- **DNS A record (RFC 1706)**
- **DNS SRV record (RFC 2782)**
- **QoS layer 3 via DSCP tagging**
- **NAT Keepalive**
- **SIP proxy redundancy via DNS SRV A records**
- **Number of SIP lines supported**

10

VOICE FEATURES

- G.711u codec support
- G.711a codec support
- FXS TX/RX gain adjustment
- Terminating impedance adjustment
- FXS ring cadence adjustment
- DTMF relay: RFC2833
- DTMF relay: SIP INFO
- DTMF relay: in-band
- Trans-hybrid balance filter echo minimization
- Regional FXS setting profiles
27
- FXS Flash detection
- Tone FXS dial mode
- Pulse FXS dial mode
- Caller ID generation (number and name)
ETSI
- Off-hook warning tone generation
- FXS distinctive ring

PHONE FEATURES

- Call forwarding: all
- Call forwarding: busy
- Call forwarding: no answer
- FXS intercom calling
- FXS port paging
- Call waiting
- Call hold
- Call transfer
- Call interception/pick-up
- Do Not Disturb
- Automatic post-dialling
- Number of call history entries
500

PHYSICAL SPECIFICATIONS AND ENVIRONMENT REQUIREMENTS

- **Device dimensions excluding antenna, w x d x h**
60 mm x 100 mm x 22 mm
- **Device weight**
53 g
- **Operating temperature**
0–40°C
- **Operating humidity**
20 – 95% non-condensing
- **Power supply voltage**
5 V DC via a USB port

PACKAGE CONTENTS

- USB cable
- Quick start guide
- Analogue telephone adapter

ORDERING INFORMATION

Model name	Part-number	Short description
Keenetic Linear (KN-3110)	KN-3110-01EN	Two-Port Analog Telephone USB Adapter

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