

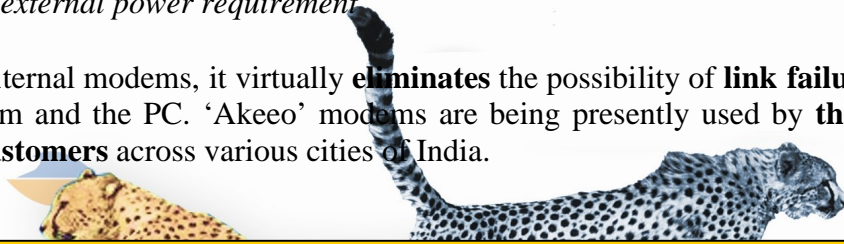
## The Akeeo AK220I

The Akeeo AB100 is an internal ADSL2 modem for desktops that provides an "always-on" high-speed broadband connection to the Internet. Tested for compliance on MTNL (Tri-band), BSNL (Data One), AIRTEL and TATA INDICOM ADSL connections, it supports data transfer rates of up to 12Mbps downstream and 512 Kbps upstream. It is the ideal solution for customers looking for a:



- *Stable Connection with better data rates*
- *Simpler Installation and User-interface than any modem available today*
- *A neat desk-space with no dangling cables*
- *No external power requirement*

Unlike external modems, it virtually **eliminates** the possibility of **link failure** between the modem and the PC. 'Akeeo' modems are being presently used by **thousands of happy customers** across various cities of India.



## Akeeo AK220I: Features

[Technical Summary](#) (Refer '[Detailed Technical Specifications](#)' for details)

- Fully Compliant to ADSL/ADSL2 standards
- Software upgradeable to new/future ADSL standards.
- Detailed diagnostic support with user-friendly interface

### Interface Support

- Driver compliant to Windows Vista/XP/2000.
- Supports plug-and-play installation.

### System Requirements

- Pentium 4 @ 2.4Ghz processor and above
- 64MB RAM or More
- 50MB of free disk space for driver installation.

## Detailed Technical Specifications

### TECHNICAL SPECIFICATIONS

- Compliant to ITU-T G.992.1 (G.DMT - Annex A & B), G.992.2(G.lite), G.992.3/4 (ADSL2) with G.994.1 (G.hs)
- Compliant to ANSI T1.413 Issue 2
- Compliant to ETSI TS 101 388 (ADSL Over ISDN)
- OAM functionality based on G.997.1(G.Ploam)
- Downstream and Upstream data rates up to 8Mbps (12Mbps for ADSL2) and 1MBPS respectively
- Fully support PPP over ATM (RFC2516) protocol standards
- Fully support PPP over Ethernet (RFC2516) protocol standards
- Fully support Ethernet Routing over ATM (RFC1483) protocol standards
- Compliant with PCI Specification 2.3
- Supports Plug-and-Play Installation
- Software upgradeable to new ADSL standards
- Control panel applet provided for real time diagnostic information

#### Mechanical

- PCB dimension: 12cm (L) x 5.8cm (W) x 1.6cm (H)

#### Hardware Interface

- One RJ-11 port for ADSL connection

#### Environment

- Operating Temperature: +0~ 50°C
- Operating Humidity: 20% ~ 80% RH

#### ADSL Compliance

- compliant with ADSL standards:
- Full Rate ANTI T1.413 Issue 2.
- ITU G.dmt Annex A & B (G.992.2).
- Splitter less ITU G.lite Annex A (G.992.2).
- ADSL2 (G.992.3/4).
- ITU G.994.1 (G.hs).
- ETSI 101 388 (ADSL over ISDN).
- ITU G.996.1 (G.test).
- DMT modulation and demodulation
- Adaptive rate:
- Maximum downstream rate of 8Mbps (12Mbps for ADSL2)
- Maximum upstream rate of 1Mbps
- Bit swapping support of Upstream/Downstream
- Interoperable with all major DSLAMs
- Software upgradeable to new ADSL standards

#### ATM Protocol

- Support PPP over ATM (RFC2364)
- Support PPP over Ethernet (RFC2516)
- Support Ethernet Routing over ATM (RFC1483)
- Support OAM functionality based on G.997.1 (G.Ploam)

#### PCI Interface

- Compliant with PCI Specification 2.3
- Compliant to PCI Power Management Specification
- PCI Bus-powered devices set.

#### OS Support & System Requirement

- Windows XP / 2000 Operating Systems,
- P4 @ 2.4Ghz compatible processor and above
- 64MB RAM or More,
- 50MB of free disk space for driver installation,
- CD-ROM drive