

Whether for remote access, fax or e-mail, a link to the corporate LAN or to the Internet – AVM's proven system solutions integrate all of ISDN's potential for professional communications applications. Moreover, AVM's intelligent technology fully exploits even often neglected capabilities of ISDN.

AVM ISDN-Controller A1 PCMCIA



- ➔ Type II PCMCIA adapter
- ➔ Compatible with all laptops and notebooks
- ➔ FRITZ!32 communications software for Internet fax, ISDN file transfer, answering machine, software telephony, ISDN BBS terminal

A credit card-sized ISDN-Controller

ISDN with no restrictions is available in notebooks with the AVM ISDN-Controller A1 PCMCIA. The latest technologies and standardized interfaces have finally made notebooks truly mobile. The ISDN-Controller A1 PCMCIA provides a reliable platform for all users who value fast data communications on the go.

The outstanding advantages of PCMCIA-ISDN integration:

- ➔ Plug & Play installation in accordance with the PCI 2.1 specification
- ➔ A digital network of high service quality
- ➔ Two channels per BRI line
- ➔ Data throughput of 64 kbit/s per channel; 128 kbit/s with channel bundling
- ➔ Simple Plug&Play handling
- ➔ Automatic installation and configuration
- ➔ The A1 PCMCIA fits all portables with a Type II (5 mm) slot
- ➔ Greater mobility: the advantages of ISDN go where you go
- ➔ All kinds of terminal equipment on a single line

Advantages of PCMCIA technology

Notebooks and laptops with a slot for Type II (5 mm thick) PCMCIA cards can use the A1 PCMCIA. In addition to its size, a key advantage is its Plug&Play capability. Users no longer need to bother with resources such as memory blocks, I/O ports or interrupt levels, because the Card and Socket Services defined in the PCMCIA standard provide automatic configuration of the adapter on insertion. Windows 95 offers full support for PCMCIA cards.



The AVM ISDN-Controller A1 PCMCIA

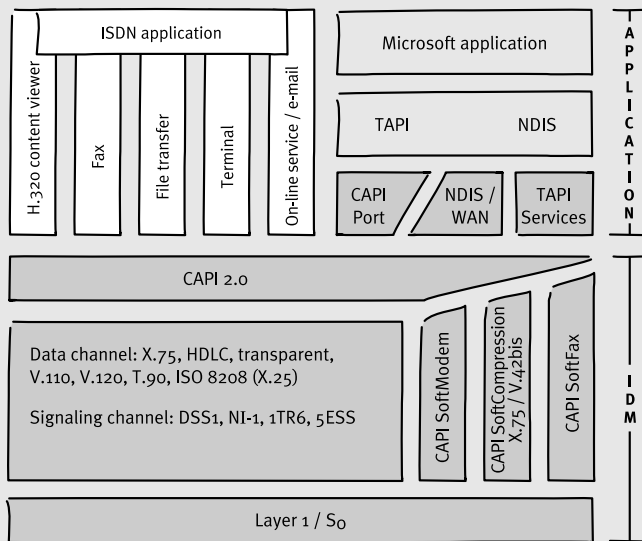
The AVM ISDN-Controller A1 PCMCIA is a 16-bit PC card in passive technology. The connection to ISDN is established through the S0 interface in the card, providing two B channels at 64 kbit/s each for simultaneous data communications. The CAPI 2.0-based controller software conforms to the ISDN Driver Model (see diagram). The controller software supplied for Windows 95/98, Windows NT and Windows 2000 makes the controller usable in any client installation. Support for a multitude of data protocols, including

The ISDN applications interface COMMON ISDN-API 2.0

Like all AVM ISDN-Controllers, the A1 PCMCIA supports the standardized applications interface COMMON ISDN API (CAPI) 2.0. All commercially available ISDN applications, such as FRITZ!32 or NetWAYS/ISDN, can access the A1 PCMCIA through CAPI and are thus automatically compatible.

Technical Data

- ➔ Compact, passive ISDN-Controller for notebooks
- ➔ Usable in systems with a PC Card (PCMCIA) bus interface
- ➔ PCMCIA Type II ISDN-Controller, 5 mm thick
- ➔ Data throughput: 2 x 64 kbit/s and 1 x 16 kbit/s
- ➔ Automatic Plug&Play hardware configuration
- ➔ COMMON ISDN API 2.0 controller software incl. support for CAPI 1.1 applications
- ➔ Runs under Windows 95/98, Windows NT/2000 and Windows 3.x
- ➔ 32-bit device drivers for Windows 95, 98, Windows NT and Windows 2000
- ➔ S0 interface for BRI ISDN lines and PBX extensions (incl. Siemens, Telenorma, PKI, SEL/Alcatel and many more)
- ➔ Loadable drivers for national and international D-channel protocols (DSS1, 1TR6, NI-1, 5ESS)
- ➔ All internationally standardized data protocols for the B channels: X.75 (with V.42bis per CAPI 2.0), HDLC transparent, ISO 8208 (X.25, Eurofile transfer), X.31 (ISDN packet services), T.70 T.90NL, V.110, V.120, transparent, G3 fax and V.32bis (modem)
- ➔ Manufactured in state-of-the-art SMD technology for maximum reliability
- ➔ 5-year warranty on hardware components (in accordance with AVM's General Terms and Conditions)
- ➔ Certified throughout Europe in accordance with CE standard
- ➔ EMC tested in accordance with VDE 0878
- ➔ Safety tested in accordance with EN 41003 at 4 kV surge voltage
- ➔ Certifications: CE, TÜV, GS seal, FCC approval
- ➔ 4-meter cord with RJ45 plug



X.75 with V.42bis, HDLC transparent, X.31, G3 fax and many more, makes the A1 PCMCIA a custom platform to fit the requirements of any application. In addition to the D-channel protocols common in Germany and Europe, DSS1 and 1TR6, the controller also provides NI-1 and 5ESS for use in the US. Furthermore, the CAPI Port and NDIS WAN CAPI drivers included permit dial-up Internet or Windows Remote Access Services connections. Thanks to PCMCIA technology, the controller is integrated in the system automatically. The trouble of setting interrupts or I/O addresses is thus eliminated. The controller's thin profile (PCMCIA Type II: 5 mm thick) and low power consumption permit uncomplicated use in notebooks and laptops.

