U.S.Robotics®

Model No. 3469

ISDN Pro TA
Terminal Adapter

Key Benefits

128K for enhanced Internet Experience
More than twice as fast as 56K ana-logue modems, and over four times faster than 28.8 – spend less time wait-ing for file transfers, software down-loads, rich Web graphics, streaming multimedia or e-mail.

Serial and USB connections
Compatible with existing computers with serial ports, or newer systems with USB ports.

Easy Updates
Flash Memory included for software updates. Instant Update: automatically download updates.

Easy to install and to use
With U.S. Robotics ControlCenter software installation is quick and simple.

Simultaneous voice and data
Automatically reassigning data channels whenever necessary, your ISDN Pro TA allows you to place or receive voice calls without interrupting your online session.

Enhanced Internet Experience
The U.S. Robotics ISDN Pro TA puts high-speed productivity on your desktop more working, less waiting. The ISDN Pro TA gives you 128K digital communication with the Internet, remote corporate networks, or other computers. That's about twice the speed of a 56K modem and up to four times faster than 28.8. With compression, you could even reach speeds of up to 230.4 Kbps.

A real communication tool
The U.S. Robotics ISDN Pro TA is also more cost effective, you can use a single ISDN line for all your home or office communications. Just connect up to two analogue devices to your ISDN Pro TA, e.g. a telephone and a fax machine, and enjoy the benefits of simultaneous voice and data communications on one ISDN connection.

Support customer calling features
An analogue device port also supports supplementary services, allowing you to take advantage of Caller ID, three-party conferences, call forwarding, additional call offering and more*. The U.S. Robotics ISDN Pro TA supports TurboPPP®, an extension to Multilink-PPP that supports hardware compression. It allows you to place calls from your analogue ports, even when connected to the Internet with 128K. One channel will automatically be dropped from the data call to allow you to make your second call, while the second channel will remain connected to the Internet. And Dynamic Voice override features work in both directions, allowing you to place or receive calls while staying online.

Makes ISDN easy to use at home or in a small office.
The ControlCenter software is the key. A simple graphical interface lets you point and click to install, configure and troubleshoot your U.S. Robotics ISDN Pro TA. The advanced AutoDetect feature allows your ISDN Pro TA to automatically recognise different ISDN protocols without any user intervention.

ControlCenter software also allows instant update:
your TA can automatically download updates from U.S. Robotics. Whenever you are connected to the Internet (any site, any provider!), just click a button in the ControlCenter software, and it will tell you if an update is available. No site or web address to look for, your TA will search for you! You can then choose to download the upgrade and to flash it to your TA. U.S. Robotics ISDN Pro TA also offers the kinds of features larger companies and corporations insist on. At an affordable price, it provides both serial and USB connections, enhanced data compression and more. And the exclusive ISDN *Connections™* CD-ROM soft-ware collection is also included.
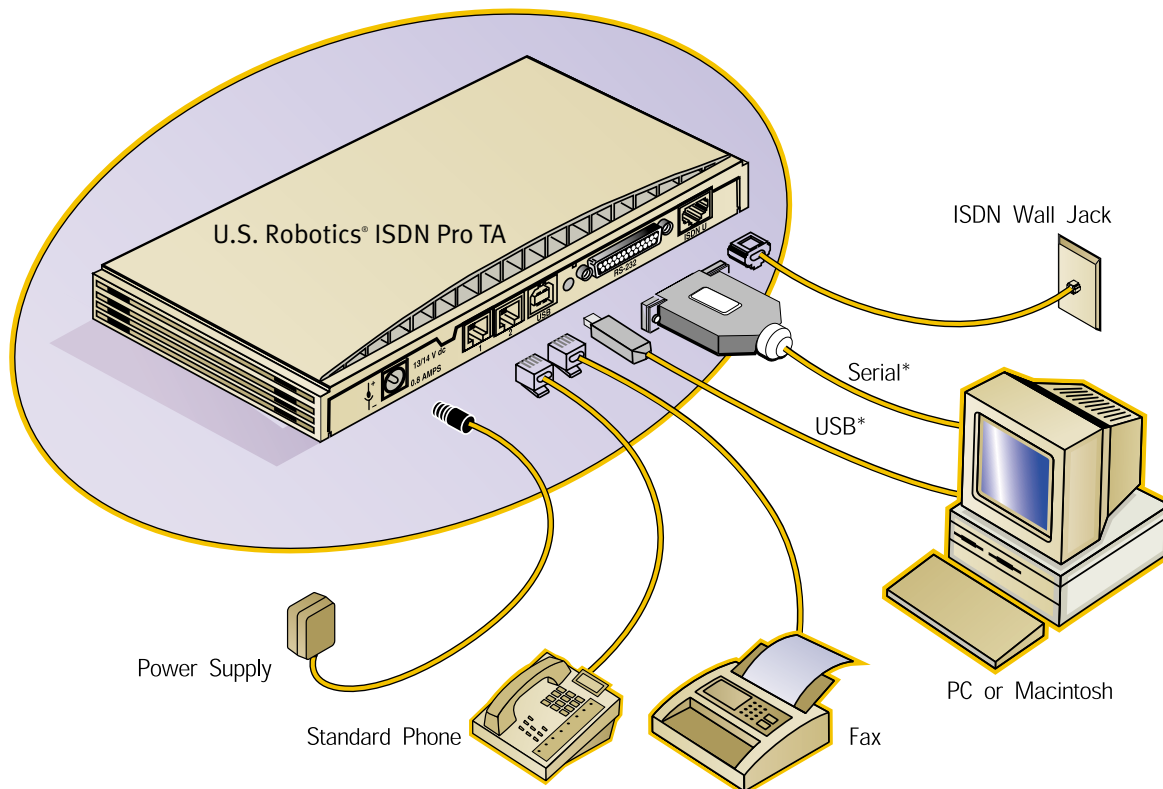
Send professional, laser quality faxes right from your screen to any analogue or digital fax machine or computer.
Using the Advanced Asynchronous 128K you can make point-to-point connections using the full bandwidth of your ISDN line – while still being able to use your ana-logue phones! And the ISDN Pro TA also supports AO/DI, allowing you to stay connected around the clock using the low-bandwidth signalling channel of your ISDN line where supported by your telephone company and ISP.

* Supplementary services may require a special subscription with your telephone company. Please check if these services are available in your area.

External/ISDN

High Speed Internet Access

U.S. Robotics® ISDN Pro TA

ISDN Wall Jack

Serial*

USB*

Power Supply

PC or Macintosh

Standard Phone

Fax

*Use either USB or serial port but not simultaneously

ISDN Pro TA
Terminal Adapter

Ready, Steady, Go!

When you have a U.S. Robotics ISDN Pro TA, you're on your way to fast, easy ISDN connections.

Setting up your ISDN Pro TA takes only four simple steps.

1. Unpack your ISDN Pro TA equipment

2. Plug in the power and telephone cables.

3. Install the ControlCenter software from the ISDN *Connections* CD-ROM and follow the on-screen instructions.

4. Enter your ISDN phone numbers.

Your ISDN Pro TA does the rest. The intelligent button features, along with ControlCenter software, automatically configure and test your terminal adapter without the need for user intervention

You can now take full advantage of your new high-speed ISDN connections to the Internet, corporate Intranet, or other online services.
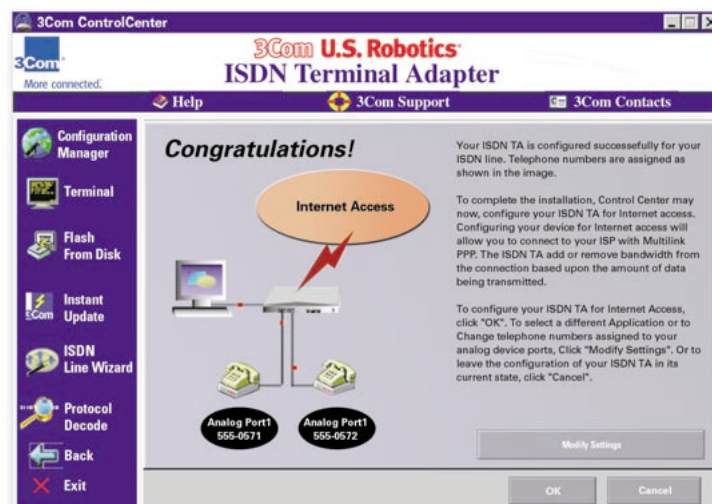
External/ISDN

High Speed Internet Access

U.S.Robotics®

ISDN Pro TA
Terminal Adapter

The U.S. Robotics ISDN Pro TA: Ideal for home, small office and telecommuting. Communicate at 128Kbps! A USB, a high-speed serial port, and ControlCenter configuration, diagnostic and AutoUpdate software included. Caller ID, Call Waiting, and AO/DI (Always On/Dynamic ISDN are also supported). U.S. Robotics ISDN *Connections™* CD-ROM with RVS-COM application software included.

ControlCenter software

Both Windows and Macintosh users will find an exclusive ControlCenter software very easy to use. Just point and click to install and configure your ISDN Pro TA.

• **Configuration Manager:** Sets up and configures ISDN settings

• **Terminal:** Sends AT commands to the terminal adapter without additional communications software

• **Flash from Disk:** Updates terminal adapter's code with downloaded files

• **Easy Updates:** Flash Memory included for software updates. Instant update: automatically download updates

• **Protocol Decode:** Reads, filters and displays a record of connection protocol information, including PPP and messages on your ISDN line's signalling channel.

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Dimensions and Weight
- Length: 8.66 in/22 cm
- Width: 5.44 in/13.8 cm
- Height: 1.56 in/4 cm
- Weight: 1.2 lb/0.54 kg

Standards and Protocols Supported
- ISDN Signalling
  - DSS-1 (EuroISDN)
- Communications Protocols
  - IETF PPP (RFC 1661)
  - IETF Multilink PPP (RFC 1990)
  - ANSI V.120
  - X.75
  - (Advanced) Asynchronous 128K (proprietary channel bonding protocol)
  - Async-sync PPP automatic conversion
  - TurboPPP technology
  - Always On/Dynamic ISDN (AO/DI)
  - BAP/BACP
  - Bit-transparent mode (Asynchronous Clear Channel)
  - HDLC transparent mode CIP 10 & CIP 18
- Compression Protocols
  - IETF CCP (RFC 1962)
  - IETF PPP LZS Compression (RFC 1974)
- Security Protocols
  - Password Authentication Protocol (PAP, RFC 1334)
  - IETF Challenge Handshake Authentication Protocol (CHAP, RFC 1994)
  - Microsoft Encrypted Password (MS-CHAP)
  - Shiva PAP (SPAP)

Physical Interface
- Computer Connections
  - RS-232 serial port. For speeds up to 230 Kbps, a high-speed internal serial card is required. Serial cable included.
  - Universal serial bus, for computers with USB connectivity. USB cable included.
- Voice/Analogue Device Ports
  - Two RJ-11 modular connectors
  - REN = three per port
  - supplementary services (ACO, DVO, CLIP and more)

User Interface
- ControlCenter software
- AT commands

Environmental
- Operating temperature: 10 to 50 degrees Celsius
- Non operating temperature: -40 to 65 degrees Celsius
- Relative humidity: up to 90% (non condensing)

Computer System and ISDN Service Requirements
- ISDN Provisioning
  - ISDN Basic Rate Interface telephone line. Supplementary voice services supported only on ISDN lines provisioned accordingly.
- Computer/Operating System
  - PC: Pentium/486/386 PC running Windows 95 or Windows 98 (serial); Windows 98. (serial and USB)
  - Macintosh: OS 7.5 or higher, 68030 or higher or PowerPC (serial); 8.5 or higher (serial and USB)
  - Any computer/OS capable of supporting asynchronous serial communications and AT commands (including UNIX, Linux, *BSD, Solaris and more)

ISDN *Connections* CD-ROM Requirements
- PC: IBM compatible 486/66 processor running Windows 95, Windows 98 or Windows NT 4.0
- Macintosh: 68030 processor or higher (PowerPC recommended) running System 7.5 or higher
- 8MB RAM, 20 MB hard drive space
- 256 colour monitor
- 2X speed CD-ROM drive
- RVS-COM communication software requirements: Windows 95, Windows 98 & NT 4.0

Package Contents
- U.S. Robotics ISDN Pro TA
- Mains Power Supply Unit
- RJ-45 ISDN telephone lead
- USB (Universal Serial Bus) cable
- Serial Cable
- Getting Started Map
- ISDN *Connections™* CD-ROM containing user guide, Internet tools, Web browsers, and communications software
- 2 x RJ11 Tail leads

Five-Year limited warranty
- Free parts and labour
- Factory repair or replacement

Contact U.S. Robotics

Email Technical Support: emea_modemsupport@usr.com

Web Site: www.usr-emea.com

Country	Call Technical Support	Call Pre-sales Support
Austria	07110 900 116	+ 32 11 300 539
Belgium (Flemish)	0702 33545	+ 32 11 300 539
Belgium (French)	0702 33546	+ 32 11 300 539
Denmark	035 44 55 31	+ 32 11 300 539
Finland	09-81710015	+ 32 11 300 539
France	0803 070 693	0800 907829
Germany	0180 567 1548	0800 1811792
Ireland	+ 44 870 844 4546	+ 32 11 300 539
Italy	0848 809 903	0800 782119
Luxembourg	+ 352 342 080 8318	+ 32 11 300 539
Netherlands	0900 202 5857	+ 32 11 300 539
Norway	023500097	+ 32 11 300 539
Portugal	021 415 4034	+ 32 11 300 539
Spain	902 117 964	900 973 225
Sweden	077 128 1020	+ 32 11 300 539
Switzerland	0848 840 200	+ 32 11 300 539
United Kingdom	0870 844 4546	0800 028 9362
Rest of EMEA	+ 44 870 844 4547	+ 32 11 300 539

CE For connection to the Inegrated Services Digital Network (ISDN)

*All V.90 products are capable of download speeds up to 56 kbps; however, due to varying line conditions, the actual download speeds you experience may be lower. Requires compatible analogue telephone line and service provider. See www.usr-emea.com for further details.

External/ISDN

High Speed Internet Access