# ISDN TA PCI Card

From Quick Setup to

Internet Access

## **Class B**

#### **CE Mark Warning**

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures

## Quick Installation for Windows 98/ME/2000/XP

### VCOMM (PPP) -- Basic Internet

#### Precautions:

- This quick installation guide aims at helping you to setup the ISDN TA PCI Card and go to the Internet in VCOMM mode with ease and efficiency. For NDIS and CAPI modes, refer to the user manual for details.
- Before you proceed the following steps, make sure no old driver suites exist in your computer. Uninstall any old driver suites that already exist, for these could hamper your computer system.

## **Getting Started**

Before you begin, make sure you turn off all power to your computer.

- 1. Remove the chassis cover of your computer.
- Align the contact edge of the ISDN TA PCI Card toward the connector of any free PCI Bus Master expansion slot. Push firmly and slowly until it is fully seated in the connector.
- Screw the PCI card to the computer chassis with the provided screws.
- 4. Replace the computer's chassis cover.
- 5. Turn on your computer.
- Start Windows 98/ME/2000/XP. Windows 98/ME/2000/XP will automatically detect the new device.
- Load the device driver disc into the CD-ROM drive of your system, make sure the file path is correct and perform the following steps to continue.
- When the following dialog box appears, select the appropriate switch type in Windows 2000/XP and click Next. Follow the on-screen instructions to finish setting.

ISDN - Intelligent PCI ISDN TA ( Net ) #2			
ISDN Switch Type or D-channel Protocol Your ISDN adapter must be configured to match your phone company's ISDN equipment.			
Select the ISDN switch type or D-channel protocol that your phone company uses.			
ISDN switch type or D-channel protocol European ISDN (DSS1)			
< <u>Back</u> <u>N</u> ext> Cancel			

9. To verify whether the Network device exists in your computer and is enabled, go to My Computer→Control Panel→System. Click the Device Manager tab. If the Intelligent PCI ISDN TA (ISDN) device, Modems, Multifunction adapters and Network adapters are found, it means that your Network device is well installed and enabled. If not, consult your computer dealer for technical support.



## Installing the Applications

- 1. Go to My Computer.
- Select the drive whichever contains the device driver. For example, if you are using disks, insert disk#1 into drive A, double-click "3½ Floppy (A:)". Or if you are

using compact disc, select the CD-ROM drive and double-click on folder **PCI/WIN98ME** when in Windows 98/ME, or **PCI/WIN2KXP** for Windows 2000/XP.

Double-click Setup.exe. Follow the on-screen instructions to proceed.

## Windows 2000/XP Uninstall

#### Removing the Device Driver

- 1. Go to My Computer→Control Panel→System.
- 2. From the System window, click the Hardware tab.
- 3. From the **Hardware** tab, double click the **Device Manager** button.
- From the Device Manager window, click Multifunction adapters to expand. Right-click Intelligent PCI ISDN TA Multi-Functions.
- 5. Choose **Uninstall** and click **OK**. The software of this device will be removed automatically.



#### **Removing the Applications**

- 1. Go to My Computer→Control Panel.
- 2. From the **Control Panel** window, double click the **Add/Remove Programs** icon.
- Choose Configuration Utility for Windows 2000. Click Change/Remove button and click OK. The applications for this device will be removed automatically.
- 4. Remove the ISDN TA PCI Card from your computer.

## Making a New Connection

- 1. Go to My Computer.
- Select Dial-Up Networking. Double-click Make a New Connection, a dialog box will appear as shown below.

Make New Connection	×
	Lype a name for the computer you are dialing: My Connection Select a device:
	< <u>B</u> ack <u>N</u> ext > Cancel

- 3. Name the new connection appropriately.
- 4. Select Intelligent PCI ISDN TA (modem).
- Enter in the area code and phone number of your Internet Service Provider (ISP). Leave out the '-'. (Example: '1234567' NOT '123-4567') Typically, the country and area codes are not required and should be disabled.

My Connection	? ×
General Server Types Scripting Multilink	
My Connection	
Phone number:	- H
Area code: Telephone number:	
03 💌 - 123456	
Country code:	
United States of America (1)	
Use area code and Dialing Properties	
Connect using:	
Intelligent PCI ISDN TA (modem)	
<u>C</u> onfigure	
OK Cance	1

- From the Dial-Up Networking window right-click your newly created connection. Select Properties. On the General tab, cancel the selection of "Use area code and Dialing Properties" and click OK.
- From the Start menu, select Programs. Select Configuration Utility. Click Config. A dialog box will prompt you to change the settings to fit your needs.

🔹 Configuration Utility		×		
Switch Type General COM	Port Setting Tools			
Select the switch type that your ISDN service provider is using.				
Switch Type : DSS1 (ETSI) Detail				
Phone Number				
Enter the ISDN phone Identifier number (SPI	numbers and the Service Profile )) from your ISDN service provider.			
B1 Number :	B1 SPID :			
B2 Number :	B2 SPID :			
B Channel Speed	Voice Encoding			
C 56K	A-law for European countries			
€ 64K	C Mu-law for North American countries			
Set Default				
	OK Cancel Apply			

 Select the proper switch type corresponding to your need. Switch Type varies between countries. Although you have the option of "Automatic" as a selection, it is highly recommended that you choose a specific selection to reduce the chance of incompatibility. Typically the selections are as follows:

Area	Switch Type
Canada & United States	Northern Telecom & NI-1
Japan	INS Net 64
Taiwan	DSS1 (ETSI)
Europe	DSS1 (ETSI)

 Enter in the ISDN phone numbers and the Service Profile Identifier. Number (SPID) will be supplied by your local ISDN telephone company.

## [NOTE: With the "INS Net 64" & "DSS1 (ETSI)" switch types, there are no SPID's to be entered.]

 Now you are ready to connect your ISDN Network Connection Cable to the PCI card, already installed in your computer.

## Quick Installation for Windows NT NDIS (PPP) -- Basic Internet

#### Precautions:

- This quick installation guide aims at helping you to setup the ISDN TA PCI Card and go to the Internet in NDIS mode with ease and efficiency. For CAPI mode, please refer to the user manual for details.
- Before you proceed the following steps, make sure no old driver suites exist in your computer. Uninstall any old driver suites that already exist, for these could hamper your computer system.

#### Installing the Device Driver

- 1. Go to Control Panel.
- Select Network. A Network dialog box will appear. Select Adapter tab. Click Add....

etwork			? ×
Identification Ser	vices Protocols	Adapters Bi	ndings
Network Adapter	s:		
Add 1	Bemove	Properties	Undate
lion Mator	<u></u>	Гюрантенн	
tem Notes:			
		OK	Cancel

3. Click Have Disk... and click OK to continue.

Gelect Ne	etwork Adapter
<b>##</b>	Click the Network Adapter that matches your hardware, and then click OK. If you have an installation disk for this component, click Have Disk.
<u>N</u> etwork	Adapter:
<b>30</b> 0 <b>31</b> <b>31</b> <b>31</b> <b>31</b> <b>31</b> <b>31</b> <b>31</b> <b>31</b>	m 3C508 ISA 16-bit Ethernet Adapter m Etherlink III Adapter (also II/16 and II/16 TP) m Etherlink III ISA/PCMCIA Adapter m Etherlink III PCI Bus-Master Adapter (3C590) m Etherlink16/Etherlink16 IP Adapter m Etherlink16
	OK Cancel

4. If you are using disks to install the device driver, insert the device driver disk into the floppy disk drive of your system and enter the drive name, for example, A:, to continue. Or if you are using compact disc to install, insert the compact disc into the CD-ROM drive of your system and enter the CD-ROM drive letter followed by PCI\WINNT\DRIVERS, and click OK to continue.

Insert Dis	sk	×
÷	Insert disk with software provided by the software or hardware manufacturer. If the files can be found at a different location, for example on another drive type a new path to the files below.	OK Cancel
	<u>8</u>	
Insert Dis	sk	X
Insert Dis	sk	×
	Insert disk with software provided by the software or hardware manufacturer. If the files can be found at a different location, for example on another drive type a new path to the files below.	OK Cancel

5. When the **Select OEM Option** dialog box appears, click **OK** to continue.

When the following dialog box appears, enter the required data appropriately.

INT	ELLIGENT ISDN_T	A Setup	×
	-Line Setting		
	<u>S</u> witch Type:	DSS1(ETSI)	
	Analog encoder:	A_LAW	
	PHONE 0:		
	PHONE 1:		
	SPID 0:		
	SPID 1:		
	OK	Cancel	

- Click OK to continue. The installation program will proceed automatically.
- When finished, a Setup Message will prompt you to invoke Remote Access Services (RAS) setup. Click OK to continue.
- When the Network dialog box appears, select the Services tab.

Network ? 🗙
Identification Services Protocols Adapters Bindings
Network Services:
NetBIOS Interface Remote Access Service Rep Configuration
Server
Add <u>Remove Properties</u> Update
Enables users to work offsite as though connected directly to a network.
Close Cancel

10. Select Remote Access Service. Click Properties. The following figure will appear. Select Add... When the Add RAS Device dialog box appears, select ISDN1 – ISDN\_TA and click OK. Click Add... again to add ISDN2-ISDN\_TA. When completed, click Continue. The Network dialog box will appear again. Click Close. The installation program will continue automatically. When finished, Windows will prompt you to restart your computer. Click Yes to continue.

Remote Acces	s Setup		×
Port	Device	Туре	
COM4	RVS ISDN Internet PPP	Modem (unimodem)	Continue
COM7	ISDN TA Modem	Modern (unimodern)	
COM9	RVS ISDN Internet PPP #2	Modern (unimodern)	Cancel
			Network
			Help
1			
Add	Remove Configure	Clone	

Add RAS Device	×
RAS Capable <u>D</u> evices:	OK
ISDN1 - ISDN_TA	Cancel
	<u>H</u> elp
	Install <u>M</u> odem
	Install X25 <u>P</u> ad

## Installing the Applications

- 1. Insert the application software disk or compact disc into your computer.
- 2. Go to the Start menu. Click Run.
- If you are using compact disc to install the application software, enter the CD-ROM drive letter followed by winnt\ntap\setup. Or if you are using disk, enter a: setup. The Configuration Utility installation program will proceed automatically.

Run	? ×
2	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
<u>O</u> pen:	d:\winnt\ntap\setup
	🔽 Run in separate memory space
	OK Cancel Browse
Run	? ×
<u> </u>	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
<u>O</u> pen:	a:setup
	Run in separate memory space
	OK Cancel Browse

 Follow the on-screen instructions to continue. When finished, Windows will prompt you to restart your computer. Click Finish to restart your computer.

## Making a New Connection

- 1. Go to My Computer. Select Dial-Up Networking.
- 2. Click New... to name the phonebook appropriately.

Dial-Up Networking		? ×
	Phonebook entry to diat: Isdn New	. <u>M</u> ore ▼
	Phone number pregiew: 4125678 Dialing frgm: New Location	Location
	Die	al <u>C</u> lose

3. Shift to the next tab to enter the required data.

New Phonebo	ok Entry			? ×					
Basic	Server	Script	Security	×.25					
Dial-up <u>s</u> erve	Dial-up server type:								
PPP: Windows NT, Windows 95 Plus, Internet									
- Network pr	otocols			_					
ICP/ ICP/	ICP/IP TCP/IP Settings								
□ IPX/SPX compatible									
₩ NetBEUI									
Enable software compression									
Enable PPP LCP extensions									
			UK	Cancel					

New Phonebook	Entry		? ×
Basic	Server Script	Security	X.25
Entry name: Comment:	MyDialUpServer4		
Phone <u>n</u> umber:	Use Telephony dialing	properties	<u>A</u> lternates
<u>D</u> ial using:	ISDNModem (ISDN2) ISDN TA Modem (CDM7) ISDNModem (ISDN1)		<u>C</u> onfigure
	RVS ISDN Internet PPP 3 RVS ISDN Internet PPP 3 RVS ISDN Internet PPP 1 Multiple Lines	#2 (COM9) (COM4)	
		OK	Cancel

- 4. When finished, click OK. Select Dial to continue.
- When the Connect to ISDN dialog appears, you are connected to the Internet.