

Using this Reference

This Quick Set-Up Reference is supplementary to the SmartWORKS User's Guide. It details essential information when installing the SmartWORKS IPX onto a VoIP network. For information on how to configure the board, refer to the SmartWORKS User's Guide that is included on the product CD-ROM.

To identify and locate board hardware such as LEDs, and audio jack connectors, refer to the information below.

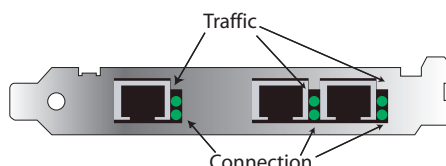
For hardware installation, software installation, and connectivity refer to the next page.

NOTE: This unit is for use only with compatible UL Listed PC, server etc. that have installation instructions detailing user installation of card cage accessories.

Agency Approvals

Agency approvals and homologations are available on the SmartWORKS CD ROM.

Port LEDs



The bottom LED indicates the state of the connection

'OFF' - when disconnected

'ON' - when the ethernet cable is plugged in

The upper LED blinks when traffic is passing on the line

NOTE: Media forwarding by the IPX is limited by a license key. By default, the IPX is capable of forwarding a maximum of 8 concurrent media sessions to a recording apparatus. A license key may be purchased, in increments of 60, to support additional media forwarding capabilities.

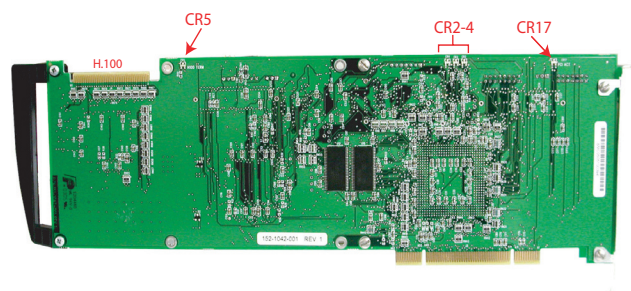
NOTE: Once an IPX board is upgraded to the SmartWORKS 3.9 software, this board cannot be rollbacked to SmartWORKS 3.8.

System Requirements

The computer must meet the following requirements prior to installing the SmartWORKS IPX:

Hardware System Requirements:	Operating Systems:
<ul style="list-style-type: none"> · Pentium IV or equivalent 400 MHz or better · ATX PCI motherboard or passive backplane with 3.3V ATX power supply · PCI 2.2 bus 	<ul style="list-style-type: none"> · Windows 2000 SP 3 · Windows XP SP 1 · Windows 2003 Server 32-Bit · Linux (Call for availability)

SmartWORKS IPX LEDs



LED Interpretations

CR5: H.100 LED

TDM clock termination LED. "ON" indicates the boards TDM clocks are being terminated. **NOTE:** The H.100 bus is not enabled on the IPX.

CR72-4: CPU LED

All LEDs are turned on by the local CPU upon successful initialization. These LEDs are also used throughout the boot up process to indicate the stage of initialization or point of failure. Refer to the User Guide for complete details.

CR17: PCI Activation

Three stage power and board initialization monitoring LED with the following occurrences:

"ON," indicates that the board has successfully loaded.

"OFF," indicates no communication to the board.

"BLINKING," indicates the board is ready to be downloaded. After the DLL is loaded the board should automatically be downloaded. If the LED continues to flash, the board could not be downloaded successfully or is in a panic state.

Hardware and Software Installation

Switch off the power and remove power cords before opening the computer case. Do not re-attach power cords or switch on power to the computer while the computer case is removed.

Exercise ESD Precautions: Wear an ESD wrist strap.



Install the Card: Secure the card in a PCI slot with a chassis screw.

After the PC is powered back up, cancel out of the Windows "Found New Hardware" screen. Place the SmartWORKS CD into the CD ROM and allow the board installation to finish.

Adding an additional SmartWORKS board to an existing system MAY impact the board and channel numbering of all boards. Refer to the SmartWORKS Developer's Guide for more information.

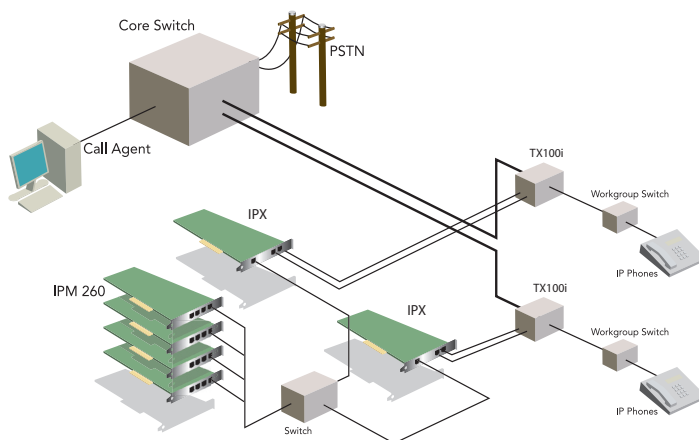
Install the Software:

Choose Products > SmartWORKS Series > Install Software > Install Software.

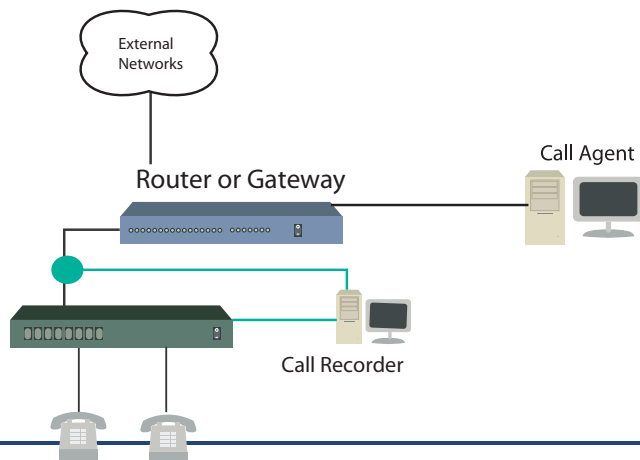
When prompted, select **Automatically Upgrade Firmware** and **Configure Boards**. For configuration details, refer to the SmartWORKS User's Guide.

The computer must be re-booted each time a new AudioCodes board or SmartWORKS software is installed.

Using the TX100 to tap the line:



Using a Mirror/SPAN port:



Board Configuration:

NOTE: When multiple boards are installed, users should verify that the Board Number field is set to the correct value.

Open the SmartControl Panel Applet (located on your PC's Control Panel).

Select the **Board** tab and set the following (If multiple SmartWORKS boards are installed in this system, verify that the correct board number is displayed):

Interface 0 - the following parameters must be set for your local network

IP Address

Subnet Mask

Gateway

When finished, click OK.

Restart the board's driver for the new settings to take effect.

Using SmartVIEW to Verify Settings:

Run SmartView: From the Start Menu select **Programs > Ai-Logix > SmartWORKS > SmartView.exe**.

From the Tool Bar, select **System > MTSysStartup**. This opens the board. **NOTE:** Channels are not used on the IPX.

At this point, the system is set up to operate and capture events. Do the following:

1. Enable the protocol. From the Toolbar, select **VoIP** then select **MTip(Enable/Disable)SignalingProtocol()**. PBX specific configuration instructions are available in the *IPX Integration Guide* per each PBX manufacturer.
2. Enable DChannel and Call Control event reporting:
 - a. From the Toolbar, select **VoIP** then select **MTip(Dchannel/CallControl)Event(Filtering/Control/Status)()**.
 - b. In the Event Control/Status window:
 - Pick the protocol activated from Step 1 using the Protocol ID drop down list.
 - To enable a feature, place a check in the checkbox - Dchannel event reporting, call control event reporting or Dchannel Filtering. When Dchannel filtering is enabled, the IPX only reports a single event when multiple event conditions are present on the line.
3. Click OK.
4. Make calls on the tapped network and look for events in SmartVIEW.

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