ALTUSEN
Enterprise KVM Solutions by ATEN

pcIPcard (IP9001) QUICK START GUIDE

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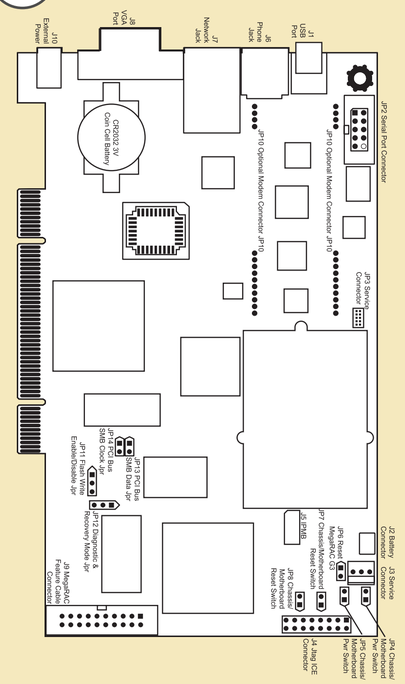
These instructions show how to install the IP9001. For detailed information, refer to the user manual included in the kit.

1 Package Contents

The complete Package consists of :

1 pcIPcard
1 pcIPcard Quick Start Guild
1 pcIPcard User's manual
1 pcIPcard CD
1 USB cable
1 Feature connector cable
1 Warranty Registration Card
1 Power Adapter
1 Power Cord

2 pcIPcard Layout



3 Hardware Installation

Use the following steps to install the pcIPcard

Step	Action
1	Unpack the pcIPcard (and check jumper settings)
2	Plug in the pcIPcard into the host system and attach internal cables
3	Connect external cables
4	Confirm the motherboard's BIOS settings
5	Install the operating system and pcIPcard's drivers
6	Install all pcIPcard Windows Software Components
7	Setup your client system's Internet browser
8	Connect to the pcIPcard from a client system
9	Setup your client system's Internet browser
10	Connect to the pcIPcard from a client system

3-1 Unpack the pcIPcard (and check jumper settings)

Jumper	Setting
JP4	Confirm that pins one and two are open.
JP5	Confirm that pins one and two are open.
JP6	Confirm that pins one and two are open.
JP7	Confirm that pins one and two are open.
JP8	Confirm that pins one and two are open.
JP11	Confirm that pins one and two are shorted.
JP12	Confirm that pins one, two and three are open.
JP13	If your hosts system's motherboard has support for I2C on the PCI slots, place a short pins one and two. If not, confirm that pins one and two are open.
JP14	If your hosts system's motherboard has support for I2C on the PCI slots, place a short pins one and two. If not, confirm that pins one and two are open.

Note: Only revision B1 and newer revisions of the pcIPcard cards have jumpers JP13 and JP14. Revisions A and B do not have JP13 and JP14.

3-2 Plug in the pcIPcard into the Host System and Attach Internal Cables

Physically plug in the pcIPcard into any available PCI slot inside the host system.

Connector	Description
J3 Service	This jumper is used exclusively for servicing the pcIPcard. J3 is not described in this document.
J4 JTAG ICE	This header is used to debug and service the pcIPcard. J4 is not described in this document.
J5 IPMB	If your motherboard has an IPMB connector, you can connect a cable from J5 on the pcIPcard to the IPMB connector on your motherboard.
J9 FeatureCon	This feature connector is primarily used for operating the host system's motherboard power and reset switch. It can also be used to gather I2C bus information from the motherboard.
JP2 Serial Port	You can connect an external 9 pin serial port connector to this header. This header is primarily used to text redirect over the serial port.
JP3 Service	This jumper is used exclusively for servicing the pcIPcard. JP3 is not described in this document.
JP4/JP5 Power Connect a	JP4 and JP5 can be used in place of the pcIPcard Feature Cable to power on, power off, and power cycle the motherboard.
	two pin cable from the motherboard'ss Power (Soft On/Off) header to JP4 on your pcIPcard. Connect the chassis power switch to JP5 on your pcIPcard.
JP6 Reset	You can short this jumper to reset your pcIPcard.
JP7/JP8 Reset	JP7 and JP8 can be used in place of the pcIPcard Feature Cable to reset the motherboard. Connect a two pin cable from the motherboard's Reset header to JP7 on your pcIPcard. Connect the chassis reset switch to JP8 on your pcIPcard.

Note: JP13 and JP14 can be used in place of the pcIPcard Feature Cable to gather I2C bus information from the motherboard.
Note: JP4 and JP5 can be used in place of the pcIPcard Feature Cable to power on, power off, and power cycle the motherboard.
Note: JP7 and JP8 can be used in place of the pcIPcard Feature Cable to reset the motherboard.
Note: Only the OEM version can utilize the hardware health monitoring capabilities of pcIPcard. The hardware health monitoring function requires an OEM specific cable and Sensor Definition Kit (SDK/SDR) file.
Note: IPMI support is an OEM version feature.
Note: The optional pcIPcard feature connector cable must be custom made for your specific configuration.

3-3 Connect External Cables

- Connect the USB cable from the back of the pcIPcard to the motherboard's USB port.
- Connect your VGA monitor to your pcIPcard.
- Connect the RJ45 LAN cable from your local network to your pcIPcard.
- Connect your phone cord from the back of the pcIPcard to the telephone wall outlet. (Only if the optional modem daughterboard is installed.)
- Connect your AC adapter. (The AC adapter is an optional component.)

3-4 Confirm the Motherboard's BIOS Settings

Power on the motherboard and enter the BIOS. Using the following table, confirm that your motherboard's BIOS settings are correct.

BIOS Section	Setting
Boot Options> Removable Devices	Virtual Floppy or USB Boot Device
Boot Options> ATAPI CDROM	Virtual CDROM or USB Boot Device
Advanced> PCIPnP> Configuration>	Enable
Legacy USB Support	

Save the BIOS settings and restart the computer.

Note: Make sure that your motherboard BIOS supports Legacy USB devices, USB Boot or Boot to USB.
Note: On some motherboards and server boards, depress the <CTRL>, <ALT>, and <ESC> keys simultaneously to enter the BIOS. On others use the <F2> keys. See your server's documentation for more information on entering the BIOS setup.

3-5 Install the Operating System and pcIPcard's Drivers

Microsoft® Windows 2000/2003/XP operating systems need an .INF for the Virtual Floppy device exposed by the pcIPcard. Use the default .INF for the Virtual CDROM.

Note: The Virtual Floppy installation procedure needs to be done one time only on the host system. Once the Virtual Floppy is properly loaded, you can perform floppy redirection without going through any extra steps.
Note: Do **NOT** use the default file that the Microsoft® Windows operating system presents when it is searching for the Virtual Floppy driver. Ensure that the Microsoft® Windows operating system is asking for the Virtual Floppy driver before allowing the installation of the **.INF** file to continue.

3-6 Windows Software Components

pcIPcard Windows Software Components is a collection of pcIPcard host-side and remote access components. Insert your pcIPcard CD into the host system. The host system is the system that has the pcIPcard installed into it. Browse to the following folder and file:

CDROM\ServerAgents\Win32\Setup.exe

Double left click the **Setup.exe** icon to begin the installation of the pcIPcard Windows Host Component. Follow the instructions. After the installation is complete, install the pcIPcard Windows Software Components on a local network computer that you want to use to access the host system.

3-7 Setup your Client System's Internet Browser

You must first setup your Internet browser on the client system before you can redirect the host system's console.

- Open Internet Options. To get there, open your Internet Explorer browser, left click Tools and then Internet Options. The Internet Options window opens. Left click the Settings button.
- The Settings window opens. Left click the Every visit to the page button or Automatically button. Left click the OK button to apply the change and to go back to the Internet Options
- Next, you must setup Internet Explorer to allow the downloading of Signed ActiveX controls and also allow it to run Signed ActiveX controls. To do this, left click the Security tab and then the Custom Level button.
- The Security Settings window opens. Left click the Enable button under the Download signed ActiveX controls section. Scroll down and left click the Enable button under the Run ActiveX controls and plug-ins section. Left click the OK button. You are prompted with a Warning window. Left click the Yes button to accept the changes to the Internet zone and to go back to the Internet Options window. Left click the Apply button and then the OK button to make the changes.

Note: You must restart Internet Explorer before the changes take effect.
Note: Remote Console cannot run with any other security settings in Internet Explorer.

3-8 Connect to the pcIPcard from a Client System

In order to connect to the pcIPcard, you must access the pcIPcard from another system on the same network. ATEN refers to this other system as the client system. To do this, you must know the pcIPcard's IP address. If you have installed the pcIPcard on a network that uses DHCP, you can search the network for the pcIPcard. To locate and find out its IP address, you must run RacTrendsSeek Locator.

Note: Make sure that you have already installed the pcIPcard Windows Software Components on the system that you want to use to locate the pcIPcard.

- Locate the RacTrendsSeek Locator program on your remote client system. Run the RacTrendsSeek Locator program by double left clicking on it and left click on the Next button after it opens.
- Type in your Network Name. For example, Corporate. Next, you must enter a range of IP addresses that you want to search. Left click the Add>> button when finished.
- The name and IP range of the pcIPcard will display in the right field. Place a check in the box next to the range of IP addresses. Left click on the Next button.
- The name and IP range of the pcIPcard will display in the Selected IP Range window. Left click on the Next button.
- If the IP range is correct, RacTrendsSeek Locator will locate the pcIPcard. It will list all pcIPcard it has discovered.
- Double left click on the IP address to start managing the pcIPcard and write down its IP address. Left click on the Finish button after RacTrendsSeek Locator discovers all pcIPcards.
- When prompted for the user name and password, enter the following (The default user name and password are in lower-case characters):

Field	Default
User Name	root
Password	superuser

- Left click the OK button. After you successfully log into your pcIPcard, you are greeted with the Welcome to pcIPcard screen.

Note: When you log in using the root user name and password, you have full administrative powers. It is advised that once you log in, you change the root password.