

Resource Checking

PCI/ISA DAQ card

[For Windows 95/98/NT/2000]

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1 PCI DAQ card with Win 95/98

Please follow the following figures to check the resource if it has no conflicts?

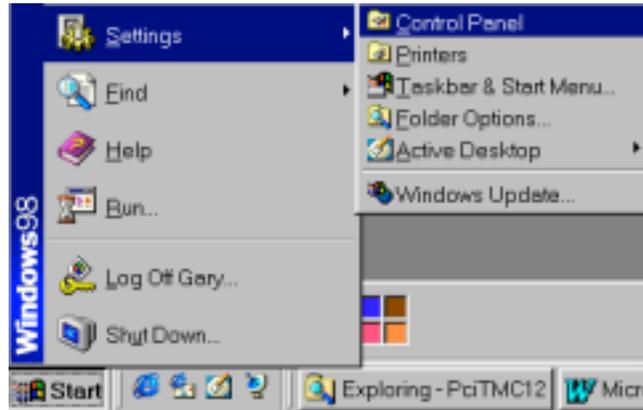


Figure 1-1. The menu “Start”.

- Click the button “Start”.
- Select the menu items “Settings”.
- Select the menu items “Control Panel”.



Figure 1-2. The window “Control Panel”.
Double click the item “System” in the folder “Control Panel”.

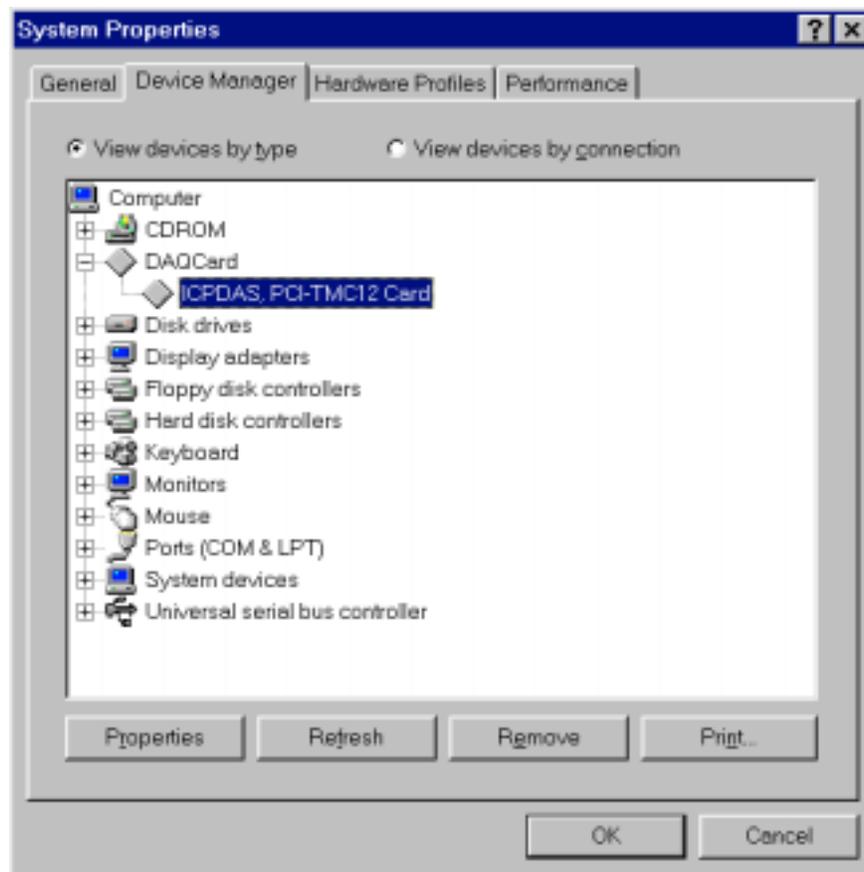


Figure 1-3. The window “**System properties**”.

- Select the page “**Device Manager**”.
- Select the device “**ICPDAS, PCI-TMC12 Card**” under the item “**DAQCard**”.
- Click button “**Properties**” to see the detailed information.

Some PCI cards may be under item “**Other Devices**”.

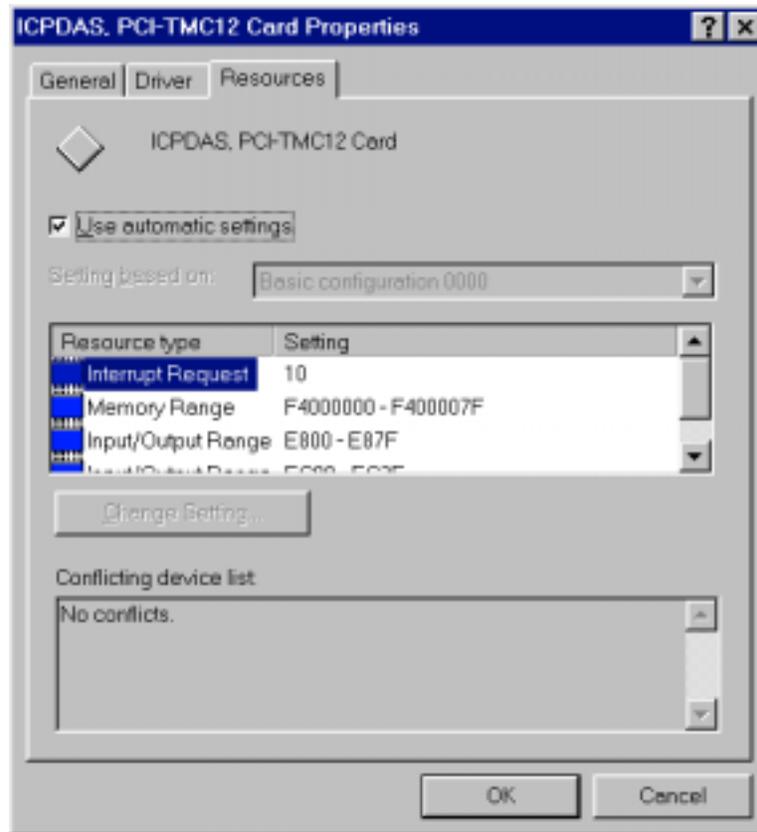


Figure 1-4. The detailed information of PCI DAQ card.

- Select the page “**Resources**”.
- Please ensure that this device has no conflicts with other devices.
- Refer to the list box “**Conflicting device list:**” if it is “**No conflicts**”?

If the **IRQ** number has conflicts with other devices, the user must not use the function **INTERRUPT** and **DMA** with the DAQ card.

If the **DMA** number has conflicts with other devices, the user must not use the function **DMA** with the DAQ card.

If the “**Input/Output Range**” has conflicts with other devices, this DAQ card will not work.

The user may need to free some resource for the PCI DAQ card by **unplug some other devices to prevent the conflicts**.

2 ISA DAQ card with Win 95/98

Please follow the following figures to check the resource if it has no conflicts?

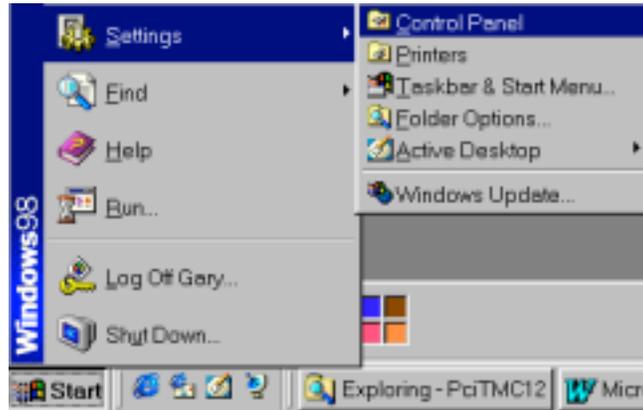


Figure 2-1. The menu “Start”.

- Click the button “Start”.
- Select the menu items “Settings”.
- Select the menu items “Control Panel”.



Figure 2-2. The window “Control Panel”.
Double click the item “System” in the folder “Control Panel”.

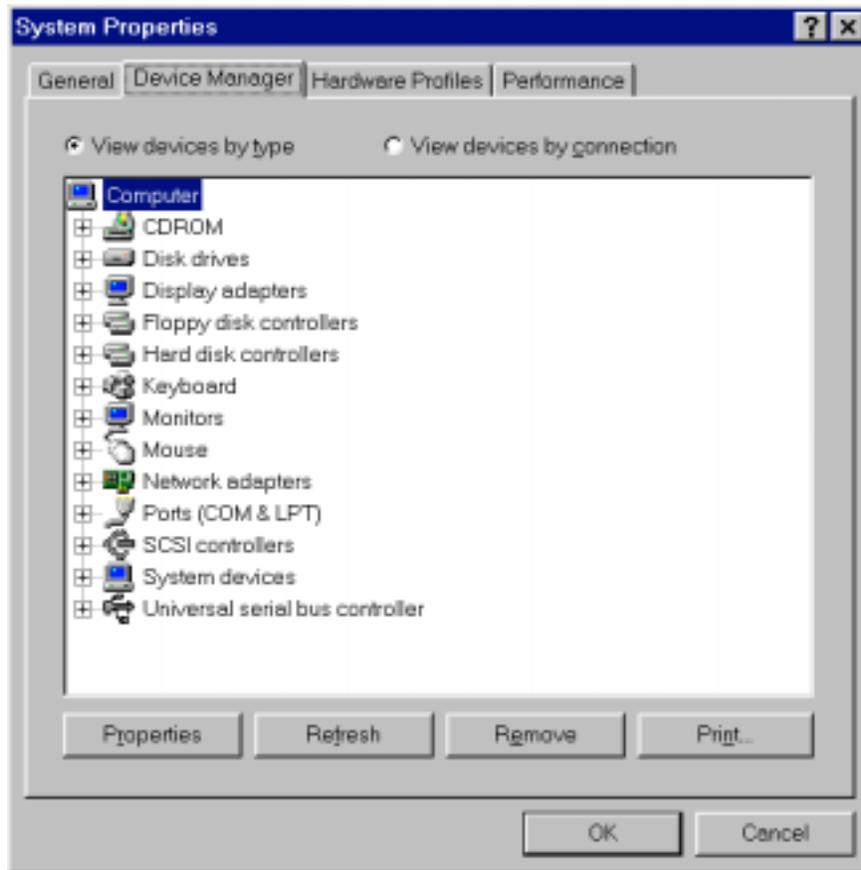


Figure 2-3. “Device Manager”.

- Select the page “Device Manager”.
- Select the item “Computer”.
- Click the button “Properties”.

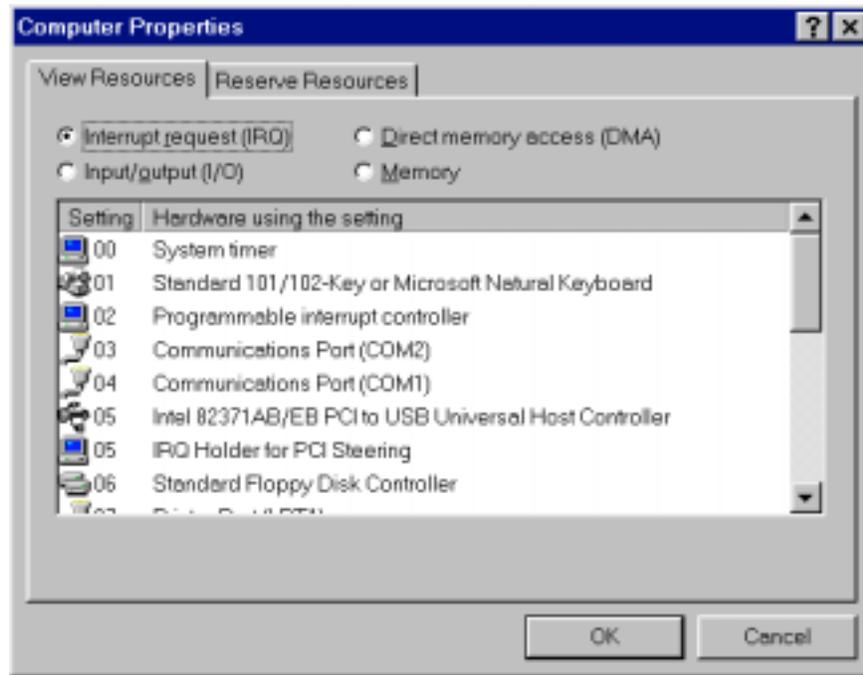


Figure 2-4. “View Resources”.

The user must check the resource **IRQ** if the ISA DAQ card has no conflicts with other devices?

The **IRQ** of ISA DAQ card will not shown in the above window. And the user must select the **IRQ** number of ISA DAQ card by setting the jumper. And the **IRQ** number must not listed in the above window to prevent the conflicts.

If the Windows 95/98 has no additional **IRQ** to be used by the ISA DAQ card, the user may need to unplug some other devices to free the **IRQ** resource. Or, the user must not uses the function **INTERRUPT** and **DMA**.

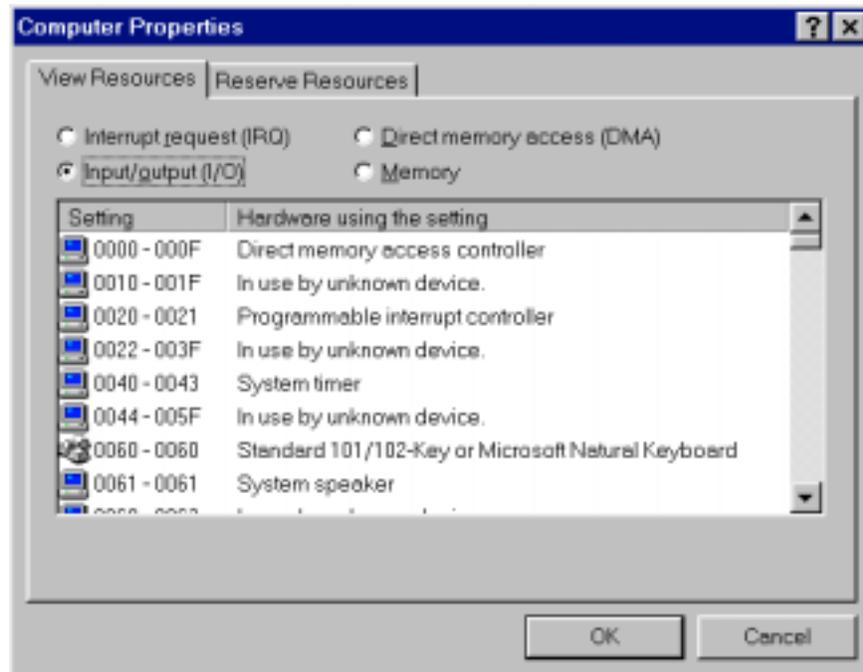


Figure 2-5. “View Resources”.

- Click the item “Input/Output (I/O)” to see the resource.

The user must check the resource “Input/Output (I/O)” address if the ISA DAQ card has no conflicts with other devices?

The “Input/Output (I/O)” address of ISA DAQ card will not shown in the above window. And the user must select the “Input/Output (I/O)” address of ISA DAQ card by setting the switch. And the “Input/Output (I/O)” address must not listed in the above window to prevent the conflicts.

If the Windows NT has no additional “Input/Output (I/O)” address to be used by the ISA DAQ card, the user **MUST** to unplug some other devices to free the “Input/Output (I/O)” address resource.

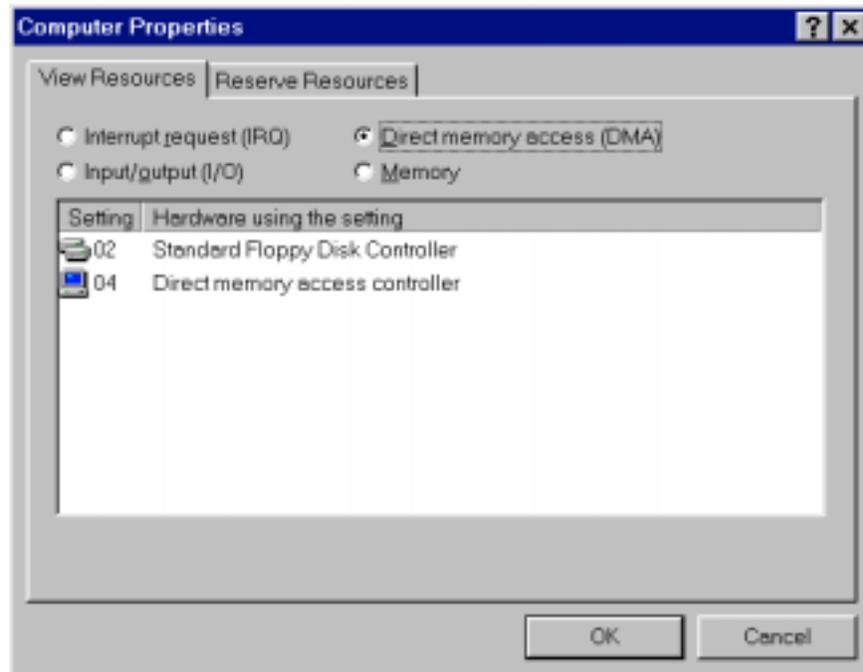


Figure 2-6. “View Resources”.

- Click the item “Direct memory access (DMA)” to see the resource DMA.

The user must check the resource “Direct memory access (DMA)” if the ISA DAQ card has no conflicts with other devices?

The “Direct memory access (DMA)” of ISA DAQ card will not shown in the above window. And the user must select the “Direct memory access (DMA)” number of ISA DAQ card by setting the jumper. And the “Direct memory access (DMA)” number must not listed in the above window to prevent the conflicts.

If the Windows NT has no additional “Direct memory access (DMA)” to be used by the ISA DAQ card, the user may need to unplug some other devices to free the “Direct memory access (DMA)” resource. Or, the user must not uses the function DMA.

3 PCI/ISA DAQ card with Win NT

Please follow these figures to check the resource on Windows NT. The user may need to free the resource by unplug some other devices If the DAQ card have been conflicted.

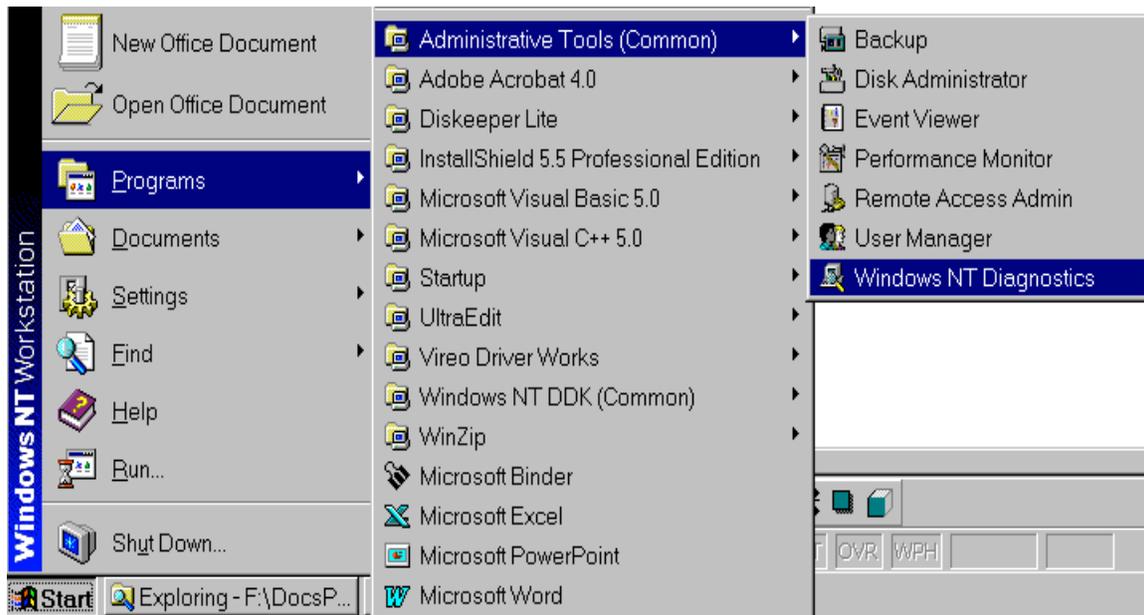


Figure 3-1. Click the button “Start”.

- Select the menu items “Programs”.
- Select the menu items “Administrative Tools (Common)”.
- Select the menu items “Windows NT Diagnostics”.

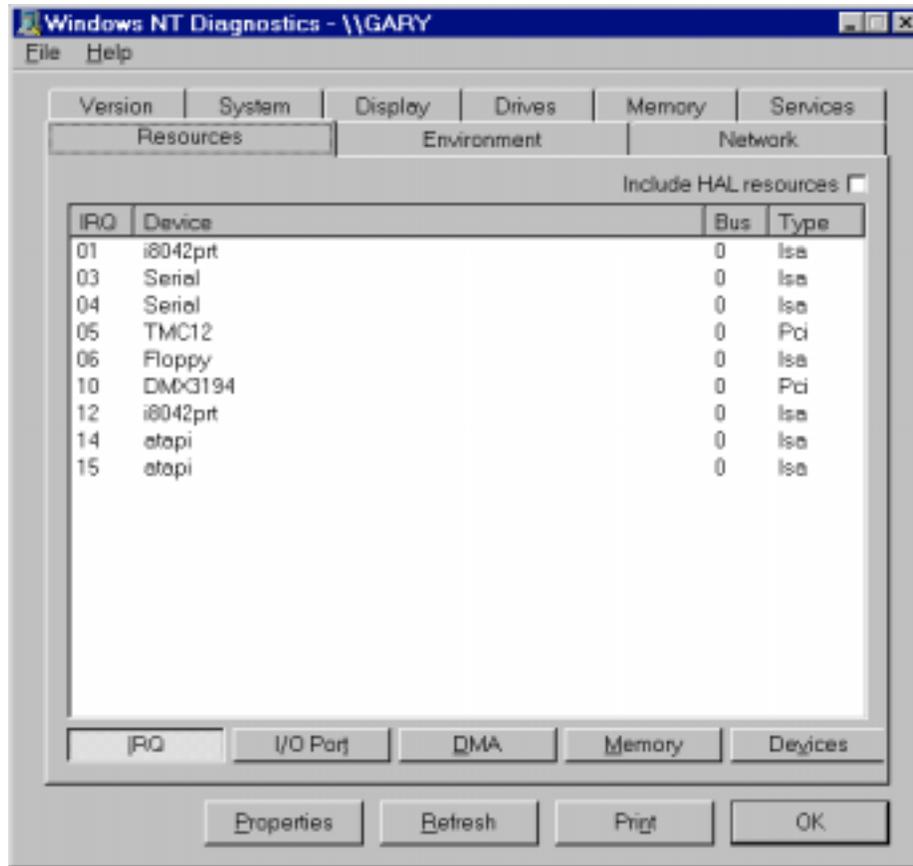


Figure 3-2. Click the page “Resources”.

The user must check the resource **IRQ** if the PCI/ISA DAQ card has no conflicts with other devices?

The **IRQ** of ISA DAQ card will not shown in the above window. And the user must select the **IRQ** number of ISA DAQ card by setting the jumper. And the **IRQ** number must not listed in the above window to prevent the conflicts.

If the Windows NT has no additional **IRQ** to be used by the PCI/ISA DAQ card, the user may need to unplug some other devices to free the **IRQ** resource. Or, the user must not uses the function **INTERRUPT** and **DMA**.

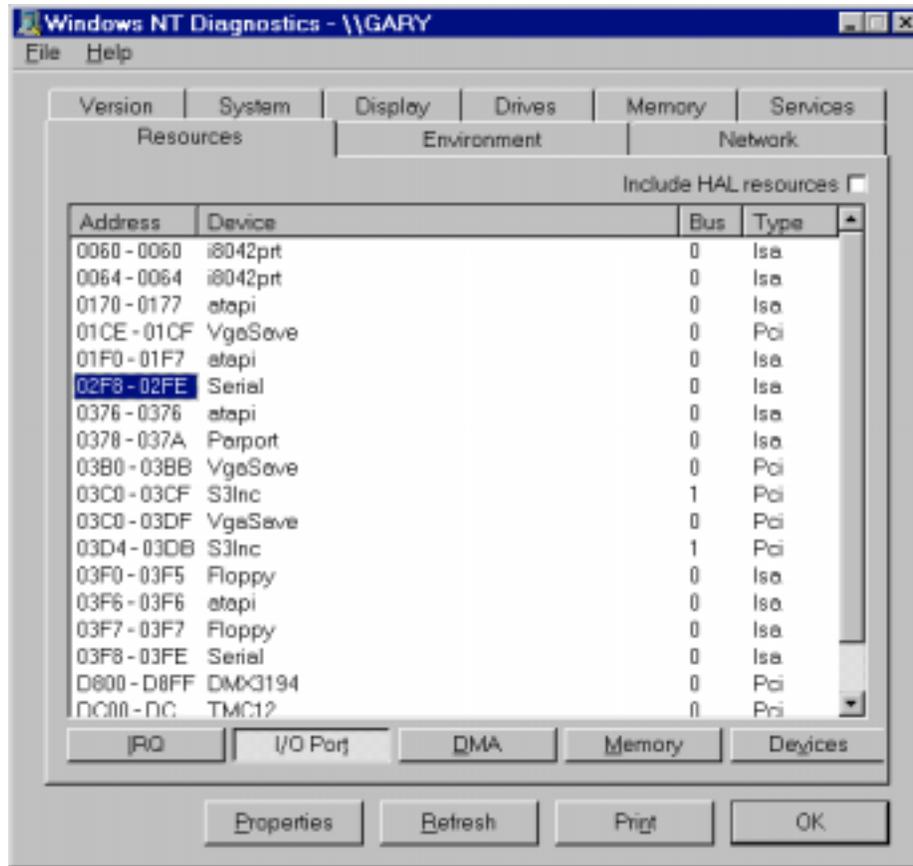


Figure 3-3. Click the button “I/O Port”.

The user must check the resource **I/O Port** address if the PCI/ISA DAQ card has no conflicts with other devices?

The **I/O Port** address of ISA DAQ card will not shown in the above window. And the user must select the **I/O Port** address of ISA DAQ card by setting the switch. And the **I/O Port** address must not listed in the above window to prevent the conflicts.

If the Windows NT has no additional **I/O Port** address to be used by the PCI/ISA DAQ card, the user **MUST** to unplug some other devices to free the **I/O Port** address resource.

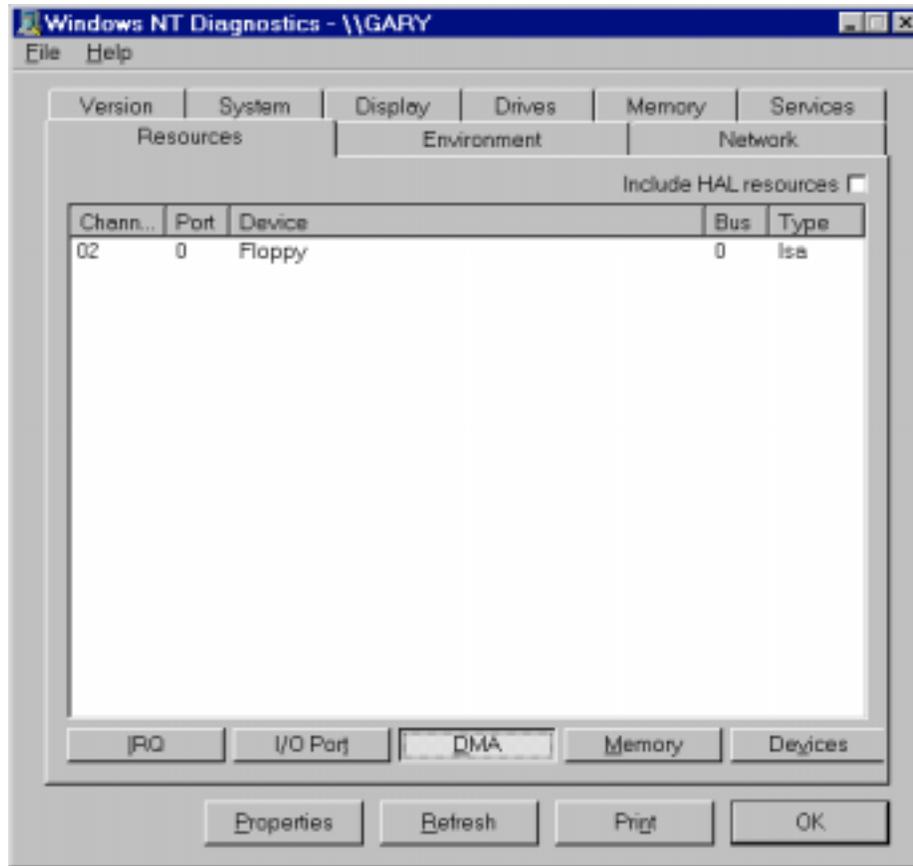


Figure 3-4. Click the button “DMA”.

The user must check the resource **DMA** if the PCI/ISA DAQ card has no conflicts with other devices?

The **DMA** of ISA DAQ card will not shown in the above window. And the user must select the **DMA** number of ISA DAQ card by setting the jumper. And the **DMA** number must not listed in the above window to prevent the conflicts.

If the Windows NT has no additional **DMA** to be used by the PCI/ISA DAQ card, the user may need to unplug some other devices to free the **DMA** resource. Or, the user must not uses the function **DMA**.

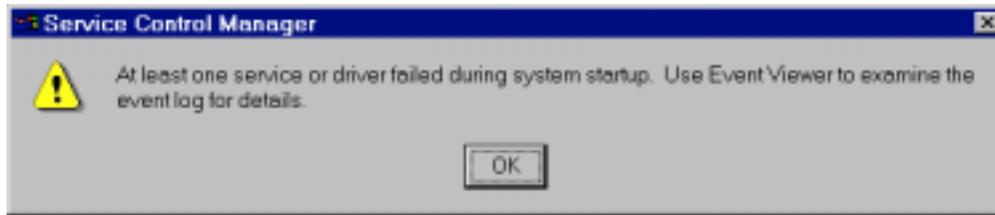


Figure 3-5. The window of “**Service Control Manager**” pops up when some service or driver failed.

In this case, the user must check the “**Event Viewer**” of Windows NT to find out the problems. Please follows the following figures to see the detailed informations.

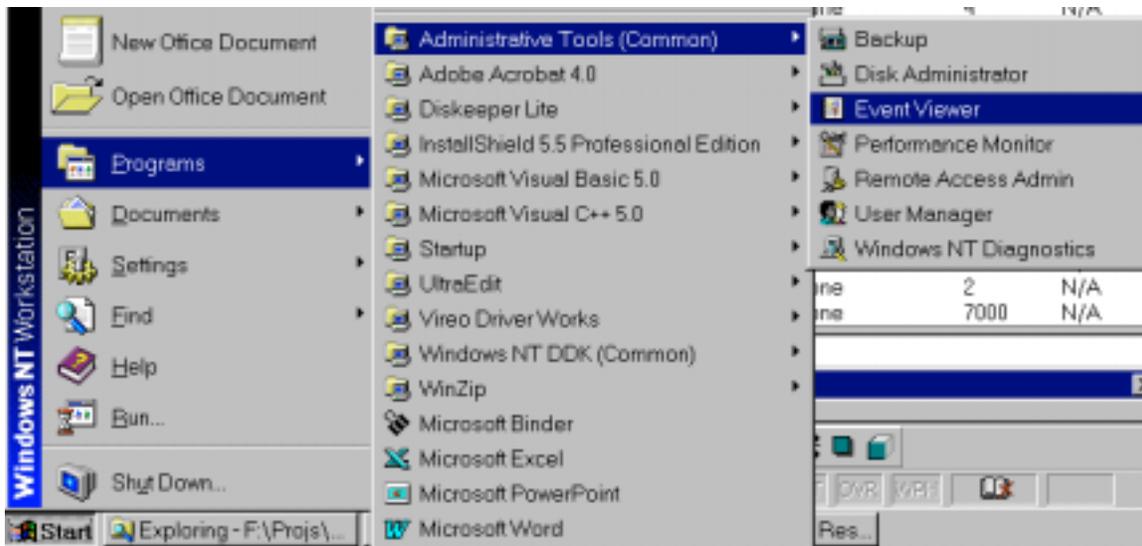


Figure 3-6. Click the button “**Start**”.

- Select the menu item “**Programs**”.
- Select the menu item “**Administrative Tools (Common)**”.
- Select the menu item “**Event Viewer**”.

4 PCI/ISA DAQ card with Win 2000

Please follow these figures to check the resource on Windows 2000. The user may need to free the resource by unplug some other devices If the DAQ card have been conflicted.

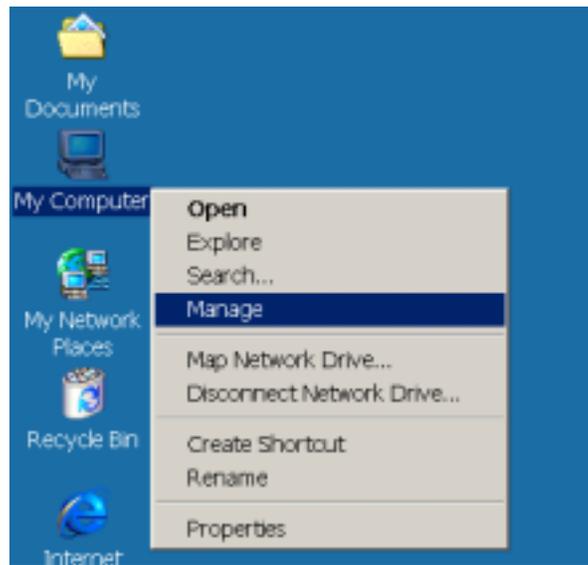


Figure 4-1. Open the “Computer Management”.

- Right-Click the icon “My Computer”.
- Select the menu item “Manage”.
- The “Computer Management” will popup, refer to figure 4-2.

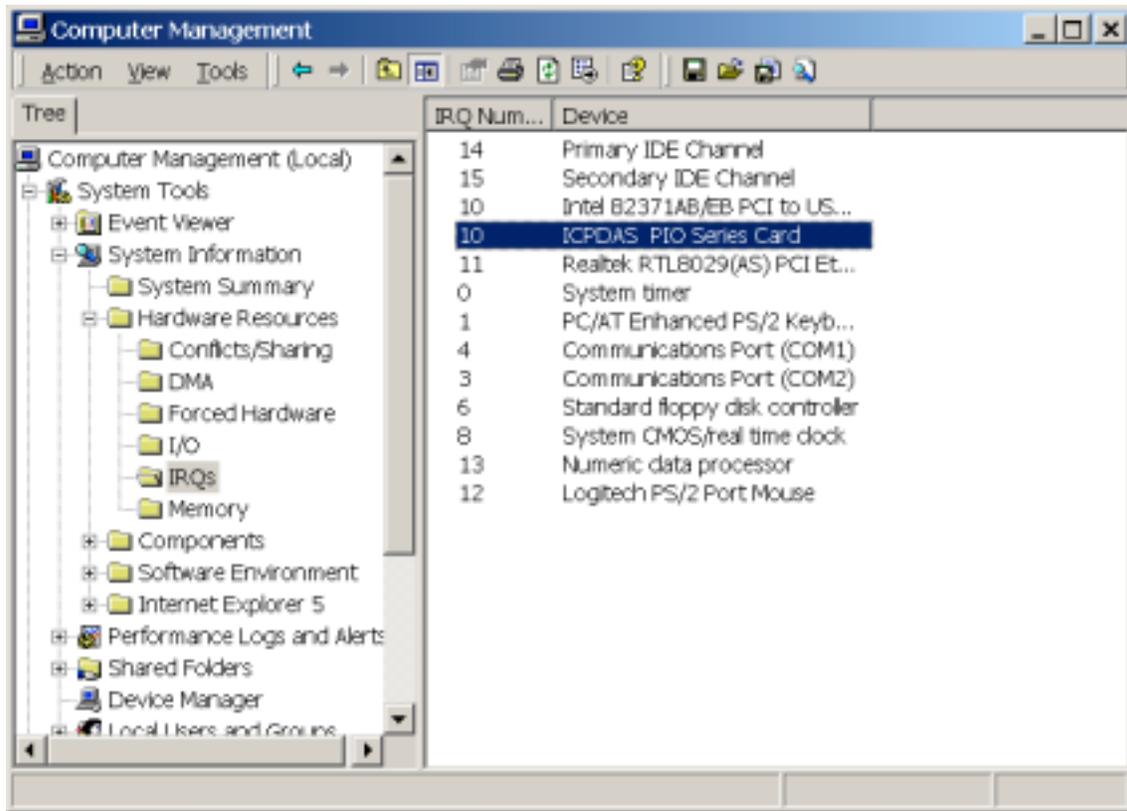


Figure 4-2. The “**IRQs**” resources under “**Computer Management**”.

Select the “**IRQs**” resources under “**Computer Management (Local) / System Tools / System Information / Hardware Resources / IRQs**”.

The user must check the resource **IRQ** if the PCI/ISA DAQ card has no conflicts with other devices?

The **IRQ** of ISA DAQ card will not shown in the above window. And the user must select the **IRQ** number of ISA DAQ card by setting the jumper. And the **IRQ** number must not listed in the above window to prevent the conflicts.

If the Windows 2000 has no additional **IRQ** to be used by the PCI/ISA DAQ card, the user may need to unplug some other devices to free the **IRQ** resource. Or, the user must not uses the function **INTERRUPT** and **DMA**.

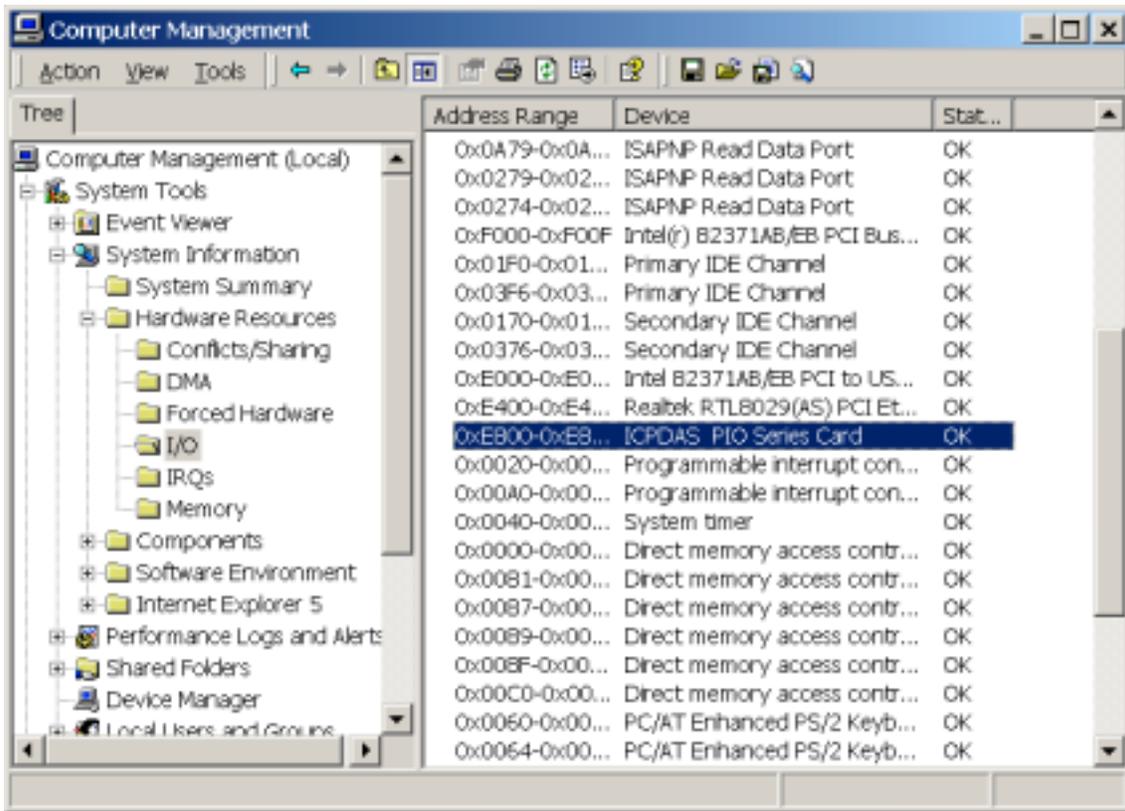


Figure 4-3. The “I/O” resources under “Computer Management”.

Select the “I/O” resources under “[Computer Management \(Local\)](#) / [System Tools](#) / [System Information](#) / [Hardware Resources](#) / [I/O](#)”.

The user must check the resource **I/O Port** address if the PCI/ISA DAQ card has no conflicts with other devices?

The **I/O Port** address of ISA DAQ card will not shown in the above window. And the user must select the **I/O Port** address of ISA DAQ card by setting the switch. And the **I/O Port** address must not listed in the above window to prevent the conflicts.

If the Windows 2000 has no additional **I/O Port** address to be used by the PCI/ISA DAQ card, the user **MUST** to unplug some other devices to free the **I/O Port** address resource.

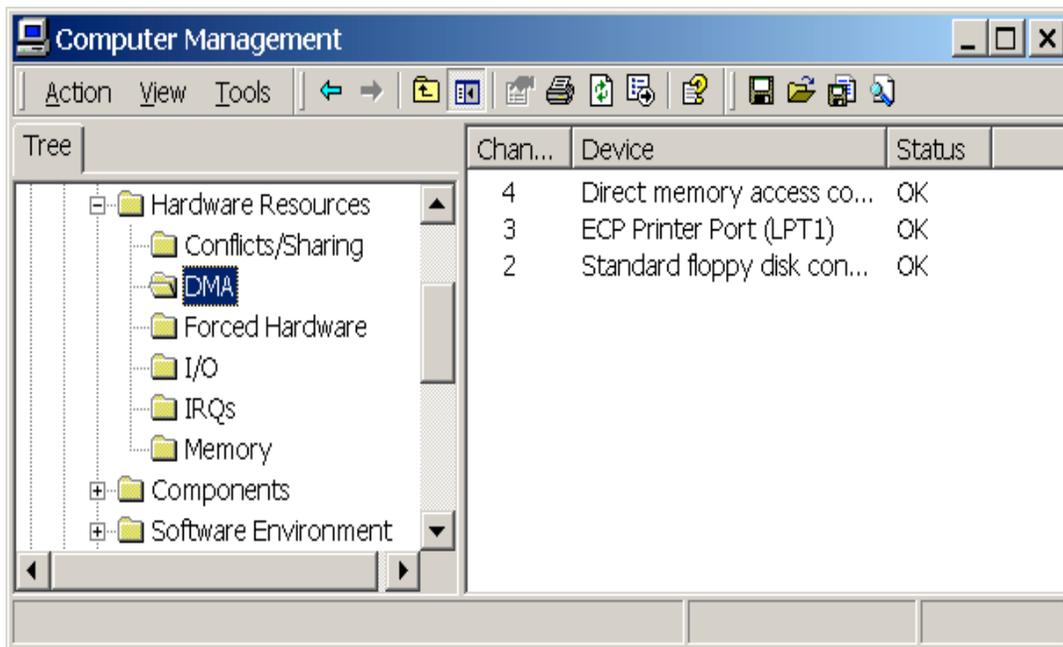


Figure 4-4. The “DMA” resources under “Computer Management”.

Select the “DMA” resources under “[Computer Management \(Local\)](#) / [System Tools](#) / [System Information](#) / [Hardware Resources](#) / [DMA](#)”.

The user must check the resource **DMA** if the PCI/ISA DAQ card has no conflicts with other devices?

The **DMA** of ISA DAQ card will not shown in the above window. And the user must select the **DMA** number of ISA DAQ card by setting the jumper. And the **DMA** number must not listed in the above window to prevent the conflicts.

If the Windows 2000 has no additional **DMA** to be used by the PCI/ISA DAQ card, the user may need to unplug some other devices to free the **DMA** resource. Or, the user must not uses the function **DMA**.

The user might need to check the “**Event Viewer**” of Windows 2000 to find out the problem when some service or driver failed. Please follows the following figures to see the detailed informations.

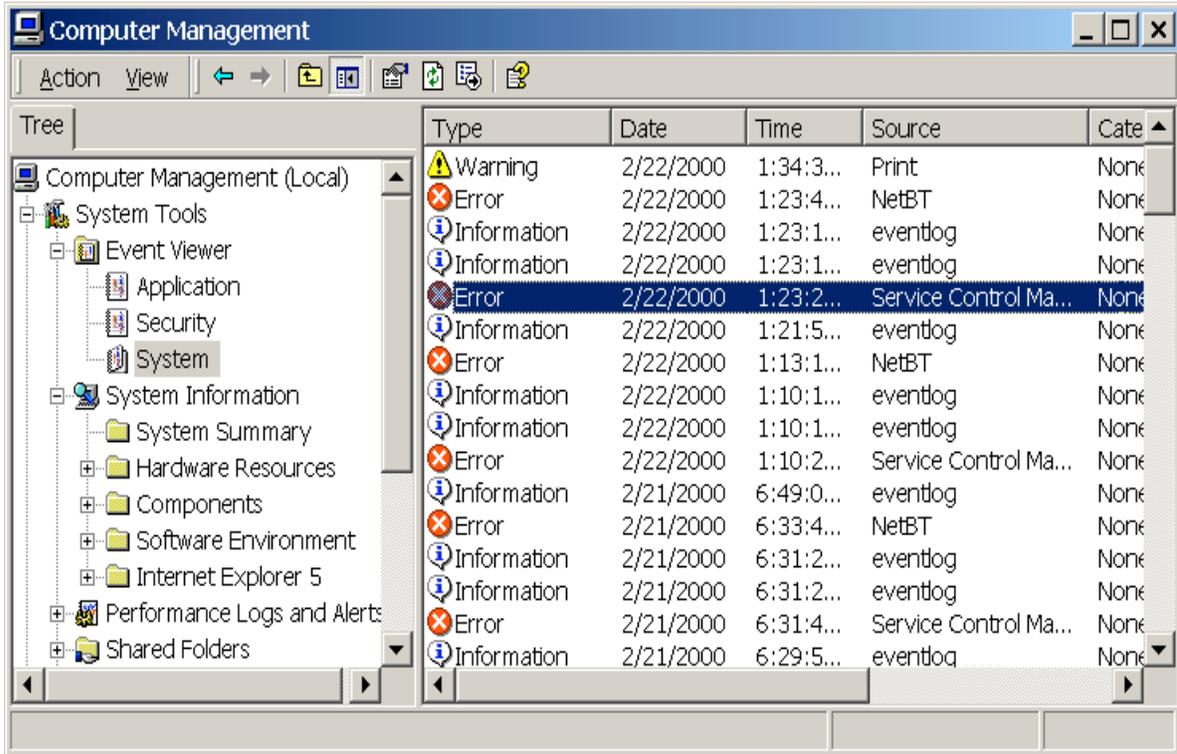


Figure 4-5. The “**Event Viewer**” under “**Computer Management**”.

Select the “**Event Viewer**” under “**Computer Management (Local) / System Tools / Event Viewer / System**”.

The user can double-click on the item to see the detailed informations. Please refer to figure 4-6.

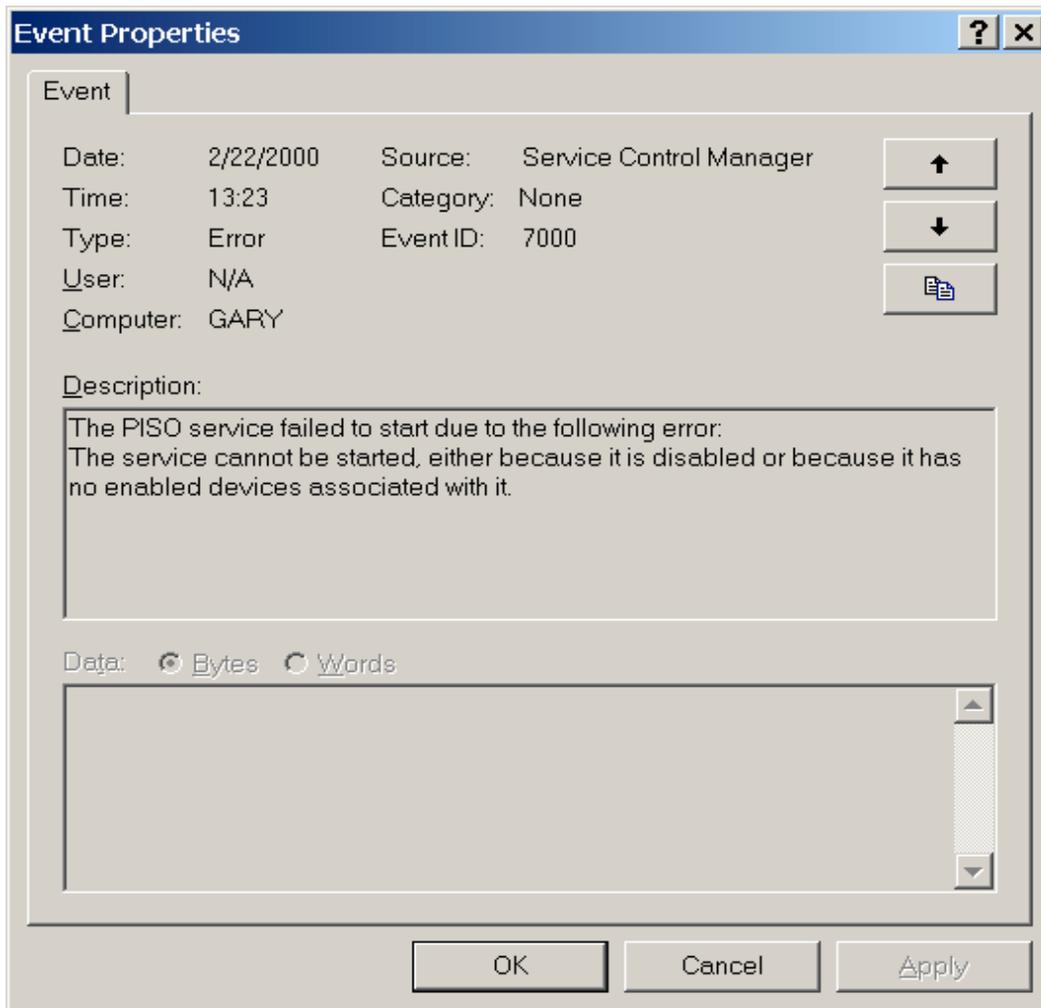


Figure 4-6. The window “Event Properties”.

The user can refer to the message of the field **Description** to find out the (other) problems.

There has other informations can be used to check the resources.

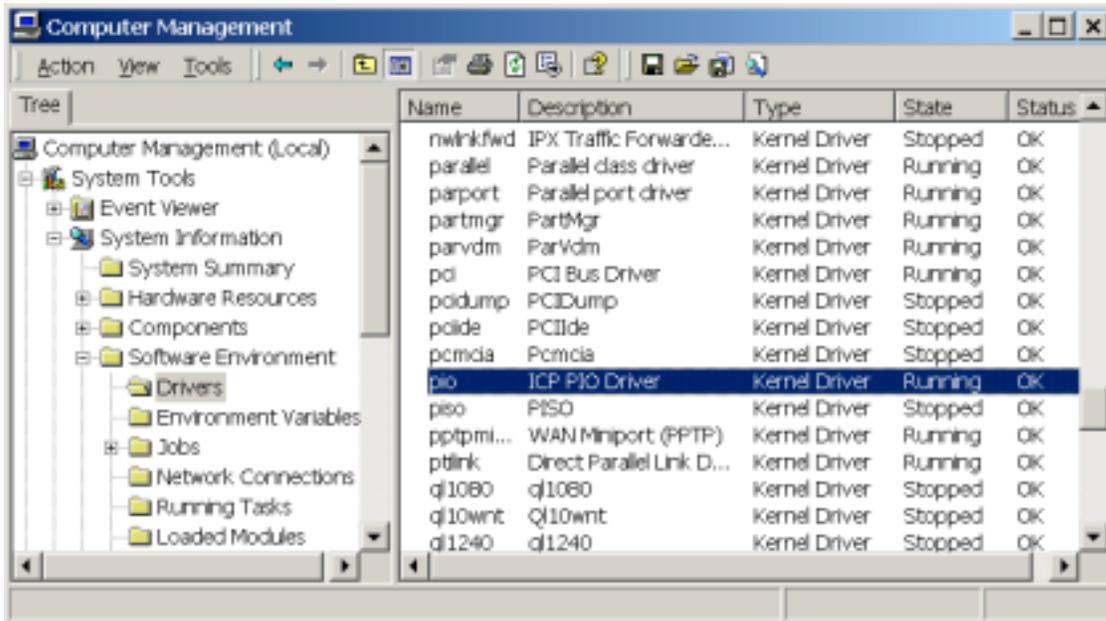


Figure 4-7. Select the “Drivers” under “Computer Management (Local) / System Tools / System Information / Software Environment / Drivers”.

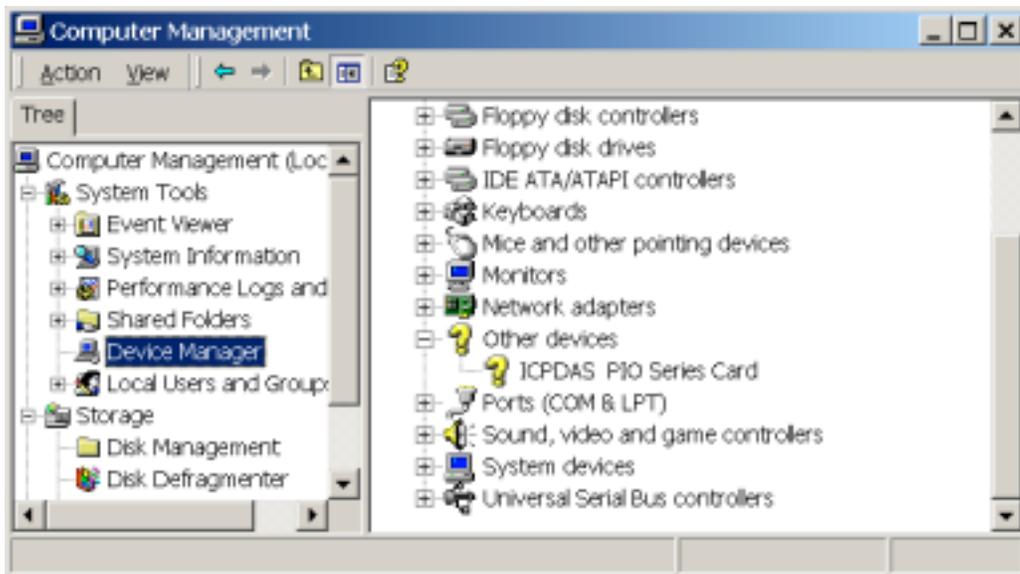


Figure 4-8. Select the “Device Manager” under “Computer Management (Local) / System Tools / Device Manager”.

Double click on the item to popup the detailed informations. Please refer to figure 4-9 to 4-10.



Figure 4-9. The detailed information.

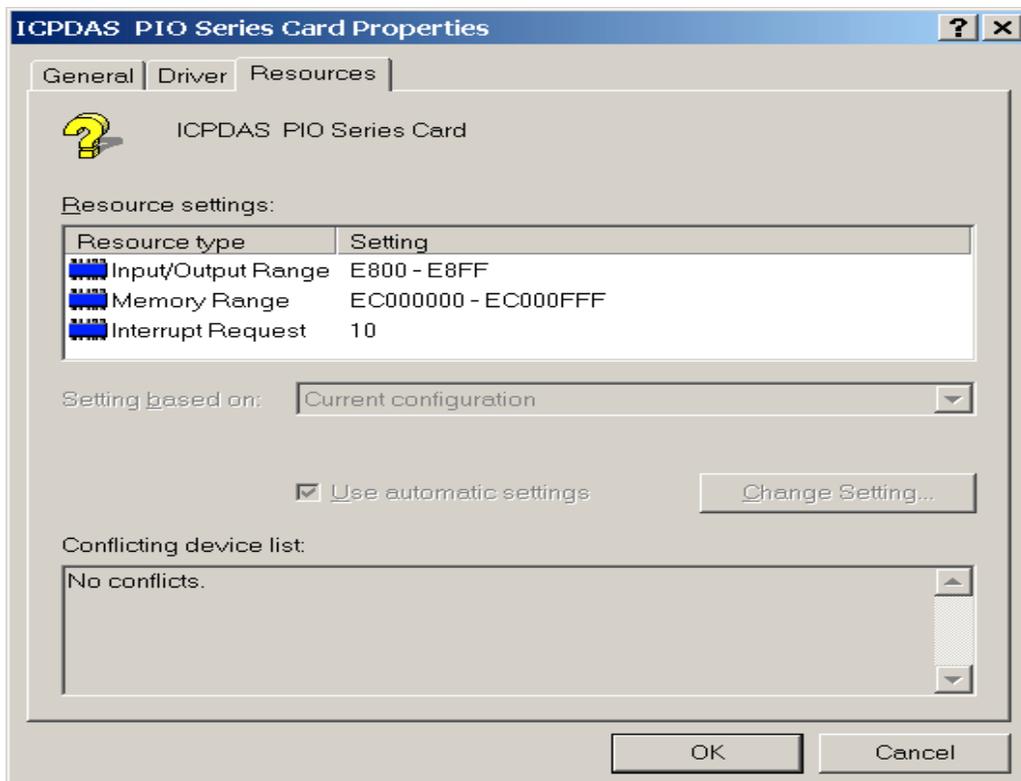


Figure 4-10. The detailed information.