

# KPC2 KPC3 KPC4 with B42 M/B Installation Guide



# Safety

## IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions carefully. Save these instructions for future reference.
2. Follow all warnings and instructions marked on the product.
3. Do not use this product near water.
4. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
5. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
6. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
7. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
8. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

## FCC

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation.

### CD-ROM Safety Warning

#### **DANGER**

INVISIBLE RADIATION WHEN OPEN.

AVOID EXPOSURE TO BEAM

### Caution on Lithium Batteries

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

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# 1. Accessory



a. Warranty Card



b. Power Cord



c. Wall mount bracket



d. Adapter



e. Drivers Bank



f. System robber pads



g. Y Cable (Keyboard & Mouse, only for KPC4)



h. Installation Guide



i. Screw (38000161)

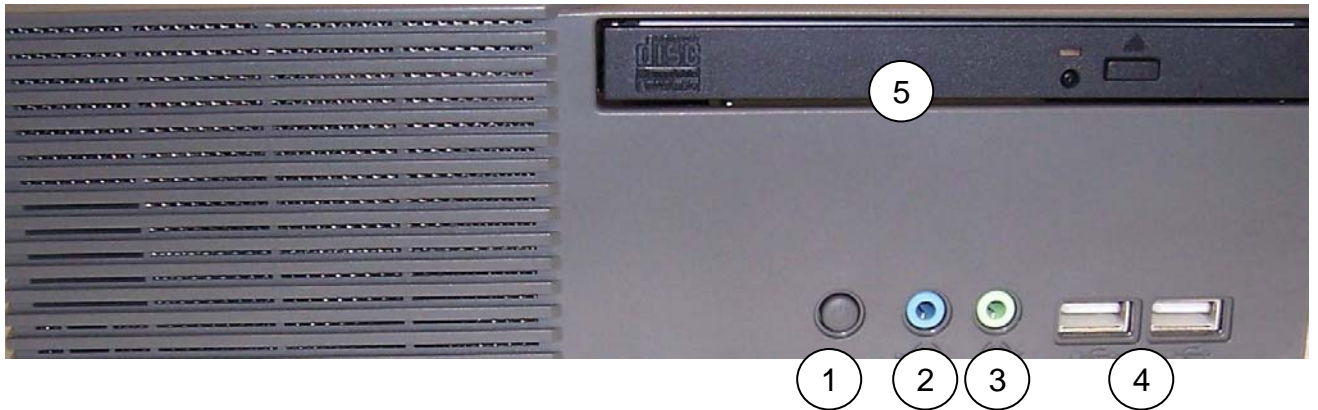
The following drivers in the folders of Driver Bank are necessary for driver installation.

### B42 Mainboard

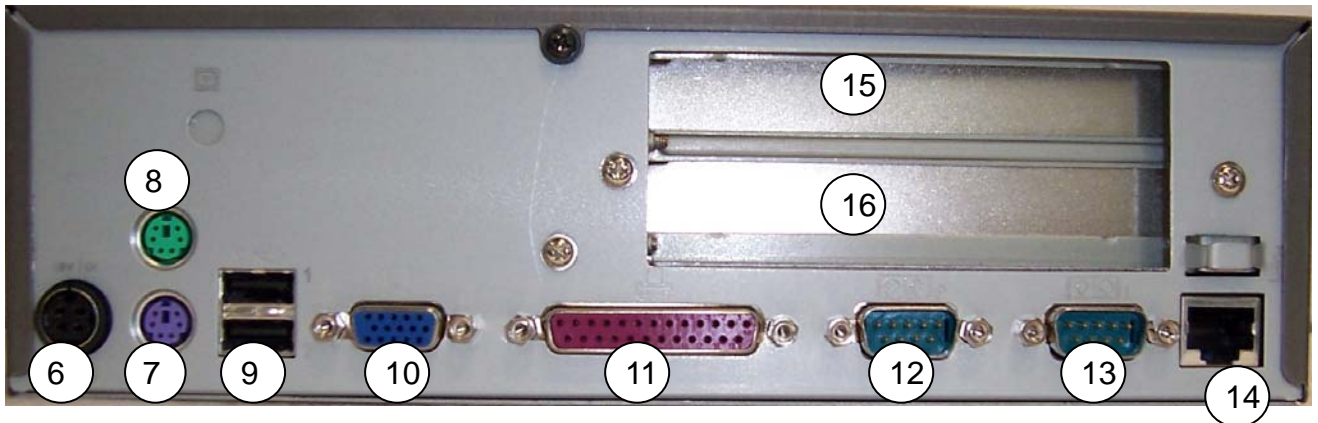
Folder/File	File Description
<CD>:\B42\B42.htm	B42 Driver list
<CD>:\Common\VIA\Chipset	Chipset driver
<CD>:\Common\VIA\VGA\CLE266	VGA driver
<CD>:\Common\LAN_driver\R8139_810x	LAN driver
<CD>:\Common\Ac97_codec\Realtek\ALC202A	Audio driver
<CD>:\Common\VIA\USB2.0	USB2.0 driver

# 2. I/O Function

## 2.1 KPC2 Front View



## 2.2 KPC2 Rear View

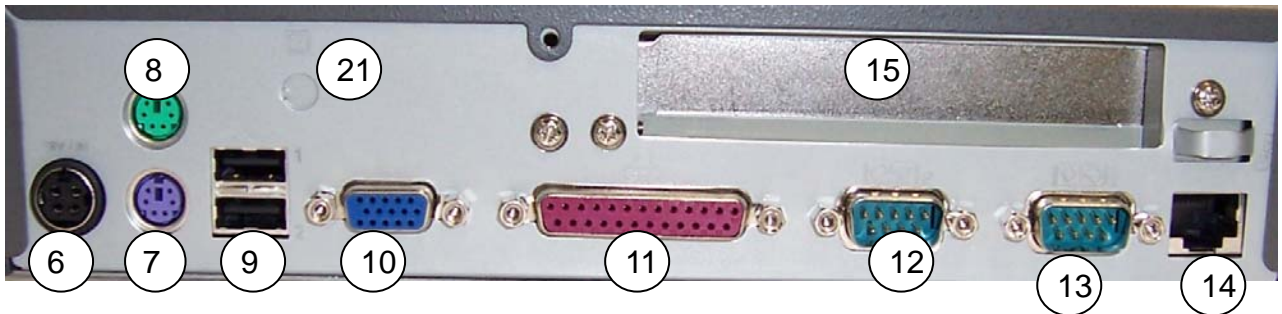


#	Function	#	Function
1	Power Button	9	USB 1 & 2
2	Line In	10	VGA
3	Line out	11	LPT
4	USB 3 & 4	12	COM2
5	Slim CD-ROM	13	COM1
6	19V DC Jack	14	LAN
7	PS/2 Keyboard	15	PCI slot 1
8	PS/2 Mouse	16	PCI slot 2

## 2.3 KPC3 Front View



## 2.4 KPC3 Rear View

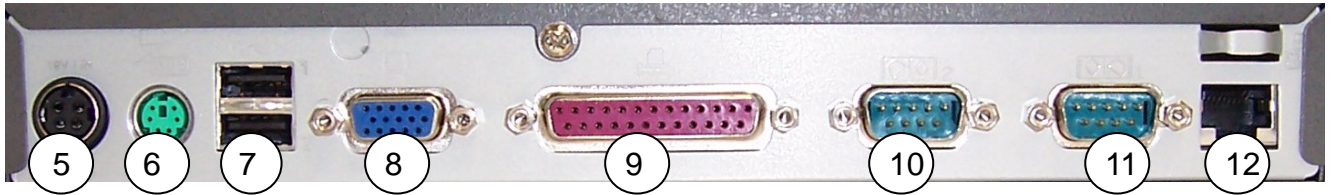


#	Function	#	Function
1	Power Button	9	USB 1 & 2
2	Line In	10	VGA
3	Line out	11	LPT
4	USB 3 & 4	12	COM2
5	Slim CD-ROM	13	COM1
6	19V DC Jack	14	LAN
7	PS/2 Keyboard	15	PCI slot
8	PS/2 Mouse		

## 2.5 KPC4 Front View



## 2.6 KPC4 Rear View



#	Function	#	Function
1	Power Button	7	USB 1 & 2
2	Line In	8	VGA
3	Line out	9	LPT
4	USB 3 & 4	10	COM2
5	19V DC Jack	11	COM1
6	PS/2 Keyboard/Mouse (Using Y cable)	12	LAN



# 3. Specification

## 3.1 B42

Model	KPC2	KPC3	KPC4
<b>M/B</b>	B42		
<b>Core Logic</b>	VIA CLE266 (VT8623CE) North Bridge VIA VT8235CD South Bridge		
<b>CPU</b>	VIA Eden / C3 EPGA Processors 133/100/66MHZ CPU Front Side BUS (FSB) C3 EPGA 733 / 800 / 1.0G / 1.2G or High (Optional) C3 EPGA 733 Standard to Use		
<b>System Memory</b>	1 x DDR266/200 SO-DIMM up to 1G byte memory size		
<b>BIOS</b>	Award PnP BIOS		
<b>Video Display</b>	Integrated ProSavage8 2D/3D Video Accelerator MPEG-2 video textures 2D/3D resolutions up to 1920 x 1440		
<b>Video Memory</b>	16/32/64 MB frame buffer using system memory		
<b>I/O Controller</b>	Winbond 83697HFx1		
<b>LAN controller</b>	Realtek RT8100BL 10/100Mb fast Ethernet controller Support Wake-On-LAN and boot from LAN		
<b>TV – Out (Option)</b>	PAL / NTSC multi system support VIA VT1622A TV Out (TV Encoder) 1 x 10 pin-header support RCA interface		
<b>HDD connector</b>	Primary: 1x 40-pin 2.54 pitch (IDE1 connector) or 1x 44pin 2.0 pitch (IDE2 connector) either one Secondary: 1x 44pin 2.0 pitch (IDE3 connector) IDE connector location please refer chap 4.1		
<b>USB Controller</b>	VT8235 Integrated support USB2.0		
<b>Audio controller</b>	AC'97 Realtek ALC202A (2ch)		
<b>Expansion Slot</b>	2 x PCI slot	1 x PCI slot	N/A
<b>M/B dimension</b>	207 mm (W) x 230 mm (D)		
<b>Power Input</b>	AC Adapter(FT809010) Input requirement: AC 90Vac ~ 264Vac / 47Hz ~ 63Hz single phase Output requirement: DC input 19V/90W		
<b>EMC</b>	CE Class B FCC Class B		
<b>Safety</b>	LVD,EN60950		

<b>I/O port</b>	<p>Rear Panel (KPC2,KPC3):</p> <ul style="list-style-type: none"> <li>1 x 19V DC jack</li> <li>1 x PS/2 Keyboard</li> <li>1 x PS/2 Mouse</li> <li>2 x USB 2.0 ports</li> <li>1 x DB-15F VGA port</li> <li>1 x DB-25F Parallel port</li> <li>2 x DB-9M RS-232 Serial port</li> <li>1 x RJ-45 LAN port</li> </ul> <p>Rear Panel (KPC4):</p> <ul style="list-style-type: none"> <li>1 x 19V DC jack</li> <li>1 x PS/2 Keyboard &amp; Mouse (Using Y cable)</li> <li>2 x USB 2.0 ports</li> <li>1 x DB-15F VGA port</li> <li>1 x DB-25F Parallel port</li> <li>2 x DB-9M RS-232 Serial port</li> <li>1 x RJ-45 LAN port</li> </ul> <p>Front Panel:</p> <ul style="list-style-type: none"> <li>2 x USB 2.0 ports</li> <li>2 x Audio jacks: line-out, line-in</li> </ul>
<b>Temperature</b>	<p>Operation :5°C to 35°C (41°F to 95 °F)</p> <p>Storage :0°C to 40 °C (32°F to 104 °F)</p>
<b>OS Support</b>	<p>Windows 9x/ME/NT 4.0/2000/XP</p> <p>Windows CE 4.X</p> <p>Linux</p>

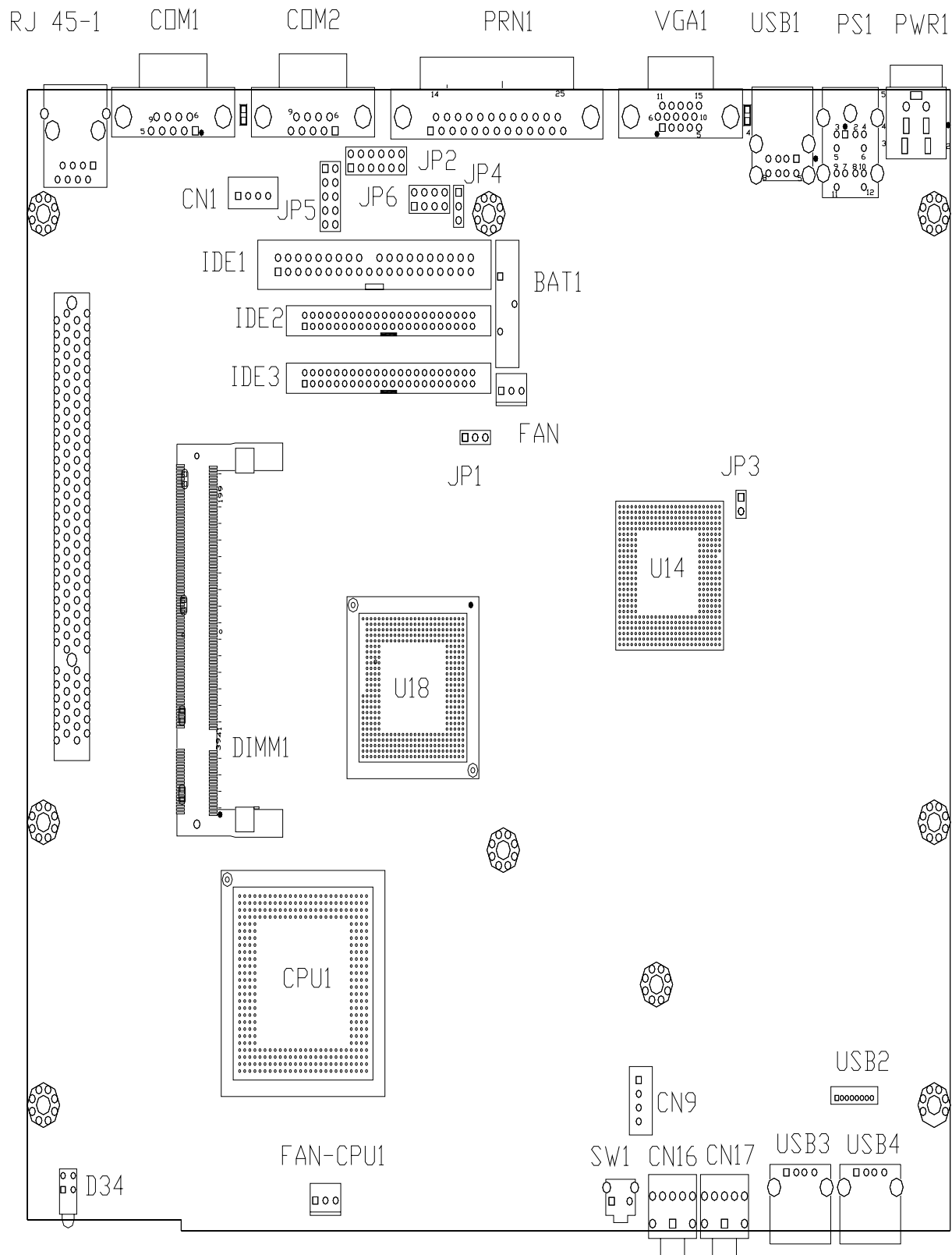
## 3.2 System Memory Combination

### 3.2.1 KPC2/KPC3/KPC4 B42 M/B

Slot \ RAM Size	128MB	256MB	512MB	1024MB
DIMM1	128 MB	256 MB	512 MB	1024 MB

# 4. Jumper Setting

## 4.1 B42 M/B



### 4.1.1 CMOS Clear Selection

\* Default Setting

Function	JP1 (SHORT)
* Normal	1-2
Clear	2-3

### 4.1.2 Power Mode Selection

Function	JP4 (SHORT)
* ATX	2-3
AT	1-2

### 4.1.3 COM2 RS232/485/422 Selection

Function	JP5 (SHORT)	JP6 (SHORT)
* RS232	1-2 3-4 5-7	1-2
RS485	4-6 7-8	3-4
RS422	9-10	5-6 7-8 9-10 11-12

Note:



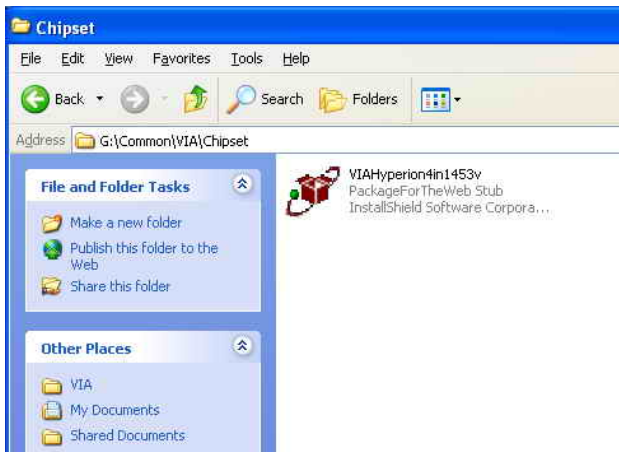
# 5. Driver Installation

## 5.1 B42 M/B

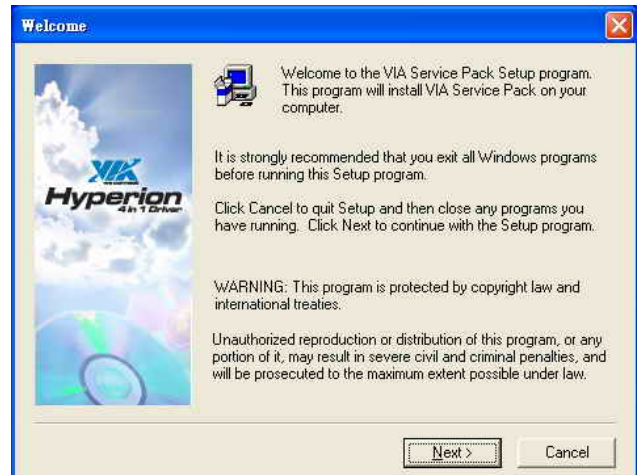
The following procedures are for Windows XP, other platforms are similar.

### 5.1.1 Chipset Driver Installation

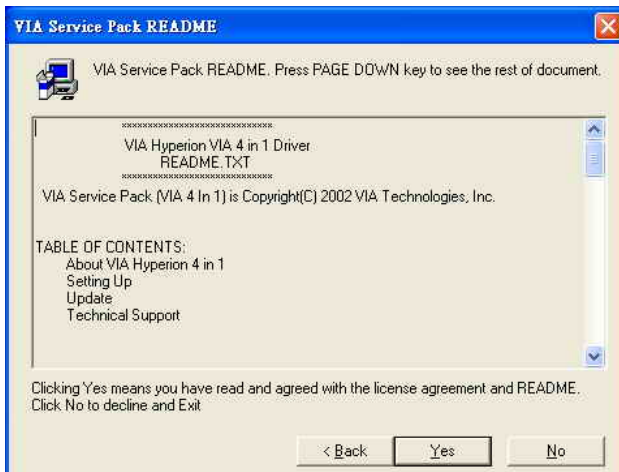
Driver path: <CD>:\Common\VIA\Chipset)



a. Click "VIAHyperion4in1453v.exe" on the My computer window.



b. Click "Next" button on the Welcome window.



c. Click "Yes" button on the ReadME window.



d. Click "Next" button on the 4in1 Setup Mode Option window.



e. Click "Next" button on the Setup Component window.



f. Click "Next" button on the VIA PCI IDE Bus Driver window.



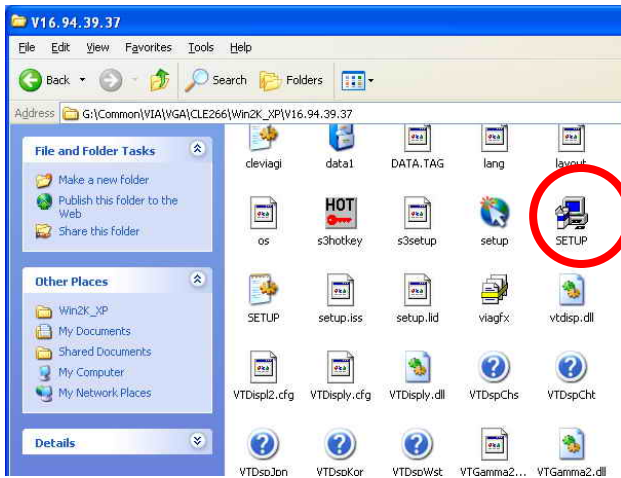
g. Click "Next" button on the VIA\_GART AGP Driver window.



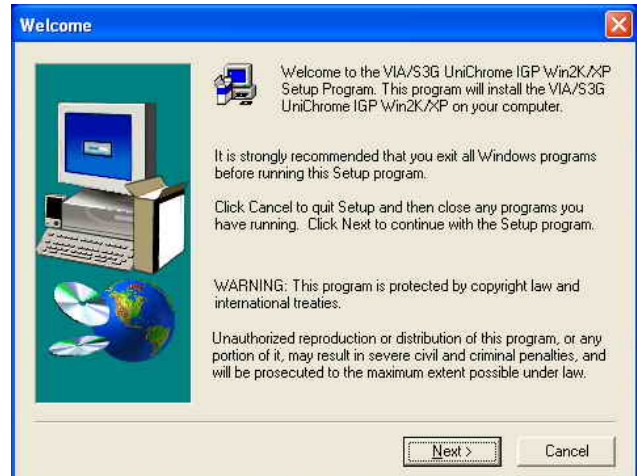
h. Click "OK" button to restart the system.

## 5.1.2 VGA Driver installation

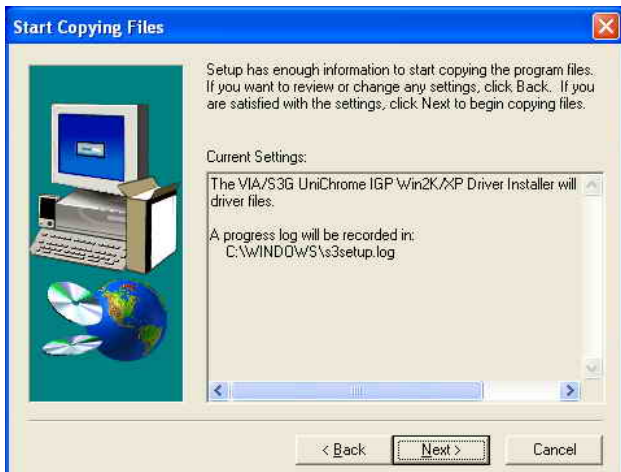
Driver path: <CD>:\Common\VIA\VGA\CLE266)



a. Click "Setup.exe" on the My computer window.



b. Click "Next" button on the Welcome window.



c. Click "Next" button on the Start Copying Files window.



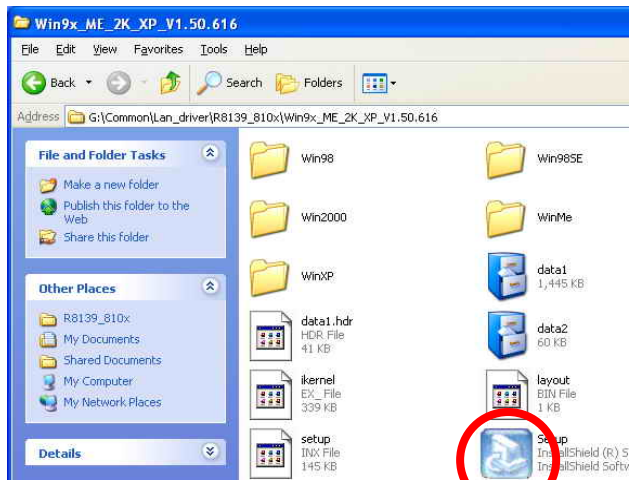
d. Click "Continue Anyway" button on the Hardware Installation window.



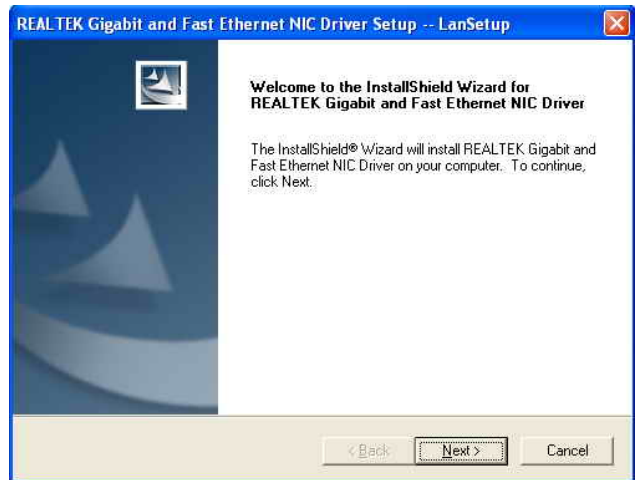
e. Click "Finish" button to restart the system.

### 5.1.3 LAN Driver Installation

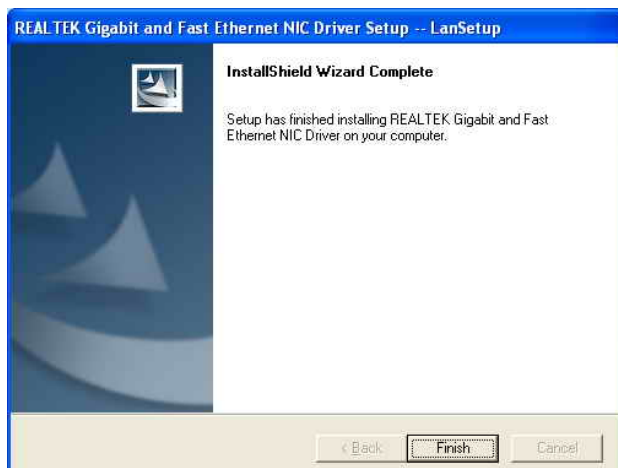
Driver path: <CD>:\Common\LAN\_driver\R8139\_810x)



a. Click “Setup.exe” on the My computer window.



b. Click “Next” button on the LanSetup window.

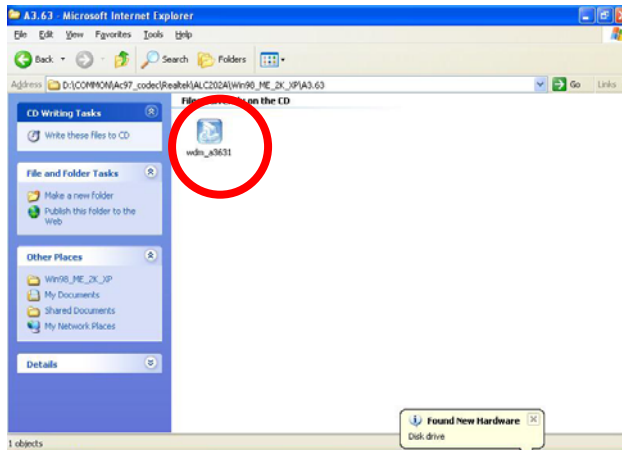


c. Click “Finish” button on the LanSetup window..

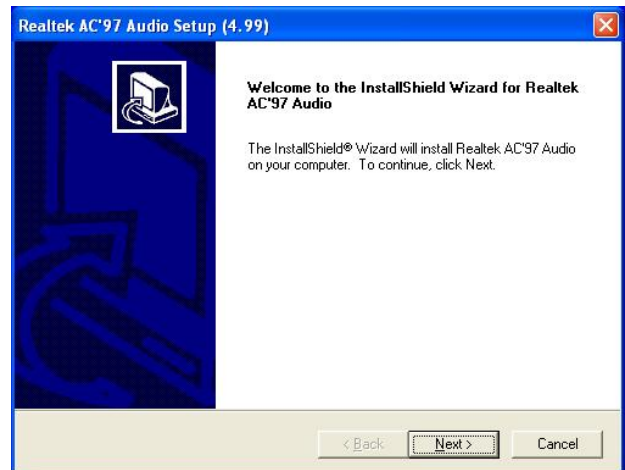


## 5.1.4 Audio Driver Installation

Driver path: <CD>:\Common\Ac97\_codec\Realtek\ALC202A)



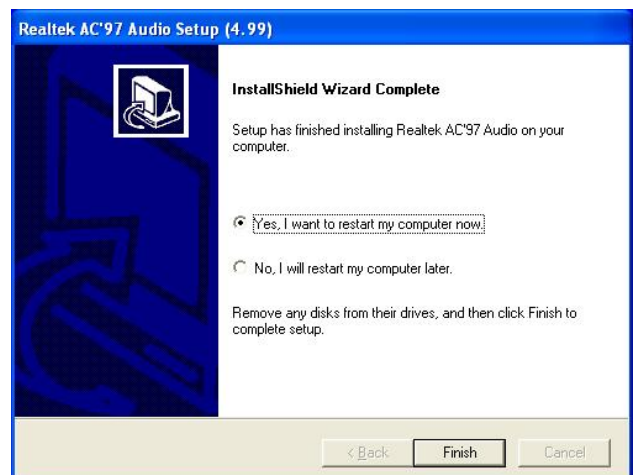
a. Click “wdm\_a3631.exe” on the My computer window.



b. Click “Next” button on the Welcome window.



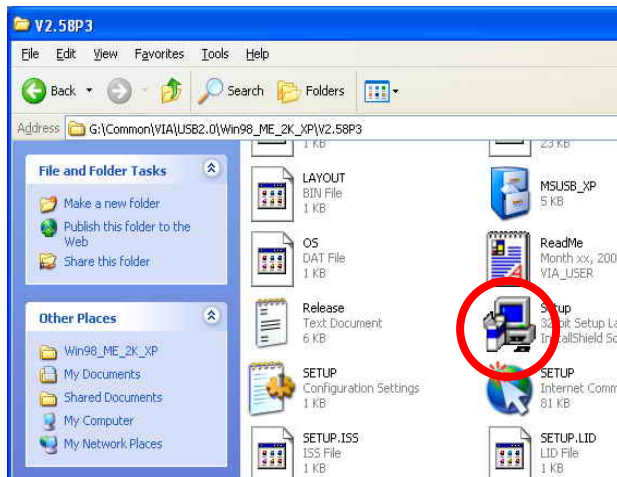
c. Click “Continue Anyway” button on the Hardware Installation window.



d. Click “Finish” button to restart system.

## 5.1.5 USB 2.0 Driver Installation

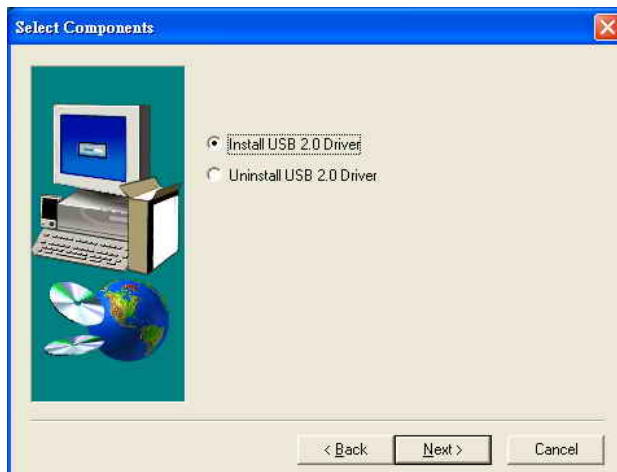
Driver path: <CD>:\Common\VIA\USB2.0)



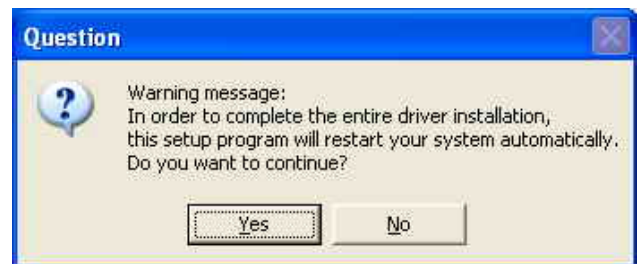
a. Click "Setup.exe" on the My computer window.



b. Click "Next" button on the Welcome window.



c. Click "Next" button on the Setup Component window.



d. Click "Yes" button to restart system.

# 6. Notices

## 6.1 Maximum dimension of PCI Add-on card

(Maximum dimension of Interface card: 125.5 mm x 81 mm)

