Led IPC

Led IPC inside

Led IPC inside

Led IPC user manual

LED IPC CONTROL MANUAL

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1) It is not allowed to change the display equipment of display attribute randomtely .

2) When Enter into the system , LED studio will be renovated into newest version .

3) The remote controlling function is set by LED studio .

4) The automatic play is set by LED studio.

5) USB setting

6) Reinstall system by hostmuti

1、Brief

1)LED Industrial Control Machine View

Elevation as following:

Couter View as following:

2)Configure Illuminate

System	Surport WIN98/WIN2000/WINXP/WINCE/XPE/LINUX
Computer Case	Silver Atom1. 6G Aluminum-alloy dustproof case(with dustproof sponge in both of sides)
Embedded Mainboard	Intel CM-1G lower power consumption embedded mainboard Integration 2D/ 3D reveal cards ,MPEG-4 decompression
Memory	one DDR266 DIMM insert slot and can support 1G at most
Memory Equipment	inside 2.5" HDD Dirive Bay x 1 quakeproof and lower consumption design
expand slot	one piece of 32-bit expand slot
LVDS	LVDS connector can connect the transfering card indirectly (on the connecting line marked the control board and transfer card ,especially pay attention to the indication and the way of inserting and pulling)
BIOS	Award BIOS 2/4M memory
Dimension:	410mm × 210mm × 60mm
LED indication	one power source switch indicator , one hardisk visiting indicator
Power:	Supporting Input Voltage Range： 100～240Vdc (Power source output)： +5V; +12V; -12V; +3.3V; +5VSB; GND; PS ON#; POWER OK Power line： ATX connector) Rated power:Power： 200W: Approved Certificate：CE，FCC，CCC
MIO	Connection x1 PS/C keyboard /mouse connection x 1 serial interface x 1 RJ45 x 1 ,LPT x 1 , AUDIO .VGA .
USB	4×USB
Ethernet	2x 10/100 Ethernet connector
working temperature	-10° C～70° C
Memory temperature	-30° C～80° C
Relative humidity	10%～90%， without congealed dew

3)Installation Environment Illuminate

Satfty :

When assemble and operate the system equipement , You have to follow the regulation of electric applaince system. Also The user should eastablish the consummate system protecion equipment and against thunder and lightning equipment

To avoid to the danger because of short circuit or electic shock ,forbid put the machine in the rain or moisture place .

In case any solid or fluid enter into the machine case , pls stop the machine power source immediately, also under help of the qualification technician to inspect the machin and then can restart machine .

The machine is belong to the exactitude machine , there is no parts which the usre can repair by themselves ,when something is wrong , have to ask the qualification technician to inspectand repaire it , or contact with the supplier .

Assemble

−10° C－70° C Pls choose the reasonable assembling place so that the air can circulate freely around the manchine , and prevent the machine too hot . the working temperature range:−10° C～70° C

4)Exemption Illuminate

Our company SHENZHEN JIEXINGTONG TECHNOLOGY CO.,LTD have the right to change the hardware & software mentioned in operation brochure and it is unnecessary to declare in advance .Pls read all the clauses and content mention in the brochure before use , thanks for your choosing our compay products . if you can not follow the related regulations to operate it to suffer the huge loss , we will not be responsible for any economic and law liability .

2、Inner Structure

1) Inner Structure Explanation in LED Machine

There is one 1U industrial control power (180w), a pieces of mainboard (with CPU) in machine case . also it is included one DDR1 memory and a link line connected with Transmission Card and one notebook computer harddisk in the mainboard.

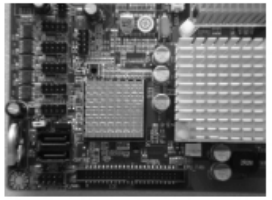
2) Inner Structure Connection

Following picture is indicated the connection between the power and mainboard.

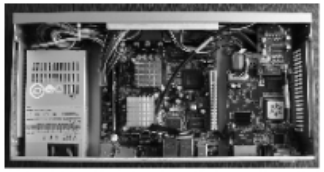
Following photo is mainboard power light , harddisk light and power switch line . marked with white dot is power switch link line . pls be careful ,when connect the line ,otherwise it

will suffer to burn out mainboard. Pls see the following to indicate how to connect the line .

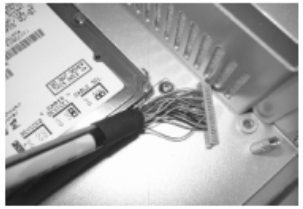
Pin	Signal	Pin	Signal
1	PW_BN+	2	HDD LED+
3	PW_BN−	4	HDD LED−
5	RESET+	6	PWR LED+
7	RESET−	8	PWR LED+
		10	PWR LED−



This photo is showed right connecting for power light , harddisk light and power switch.



This photo is the right connecting for the mainboard and Transmission Card,pls pay attention to the connection and insert direction.



This is Transmission Card power light connecting

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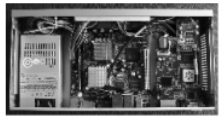
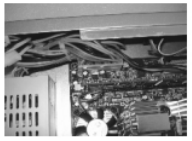


2) Inner Structure Connection

Following picture is indicated the connection between the power and mainboard.



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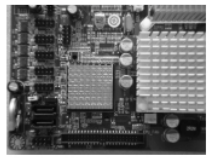
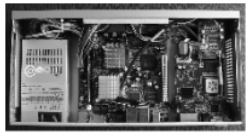
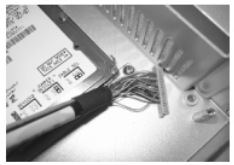
		10	PWR LED-



This photo is showed right connecting for power light , harddisk light and power switch.



This photo is the right connecting for the mainboard and Transmission Card,pls pay attention to the connection and insert direction.

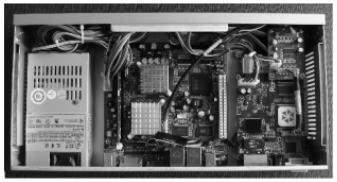


This is Transmission Card power light connecting

3) Transmission Card Installation and Method of Inner Link .

Following is orientation hole for the Transmission Card Installation, and Transmission Card connecting power and linking line .

Following is the Transmission Card Installation and in good connection.



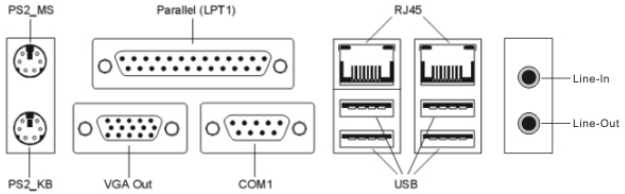
Following is the connection for mainboard and Transmission Card.

3、Outerside Structure

1) Outerside Connection Explanation

Host Computer outside connector (from left to right) : 1x Power connect (110V-220V), 1x Mouse . 1x Keyboard, 1x , 1x VGA, 1x COM , 2x Ethernet Mouth. 4x USD2.0, 3x Audio frequency mouth

Mainboard connection as following:



1) Outerside Connection Link

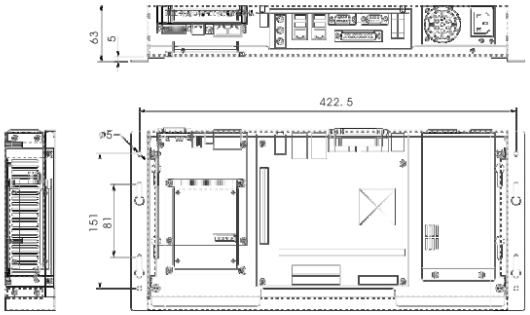
3）Following is Outerside Connection Link : Power linking , Keyboard , Mouse linking , VGA display Linking .String mouth connection , and diplay connection .

4）Outerside Link of Mainboard and Transmission Card.

A:Transmission Card need to connect the display B: Transmission Card String mouth connection need to link the mainboard string mouth connection. C: DVI is unnecessary to connect.

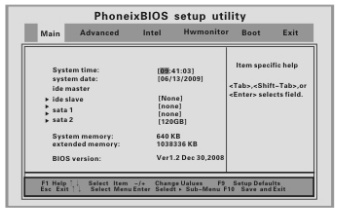
5）Link between LED Machine and LED Display

6）Fixing Hole View of LED Machine



4、 BIOS Setting of LED Machine

1）BIOS Introduction



Standard CMOS Features
Use this menu to set basic system configurations.

Advanced BIOS Features
Use this menu to set the advanced features available on your system.

Advanced Chipset Features
Use this menu to set chipset specific features and optimize system performance.

Integrated Peripherals
Use this menu to set onboard peripherals features.

Power Management Setup
Use this menu to set onboard power management functions.

PnP/PCI Configurations
Use this menu to set the PnP and PCI configurations.

PC Health Status
This menu shows the PC health status.

Load Fail-Safe Defaults
Use this menu option to load the BIOS default settings for minimal and stable system operations.

Load Optimized Defaults
Use this menu option to load BIOS default settings for optimal and high performance system operations.

Set Supervisor Password
Use this menu option to set the BIOS supervisor password.

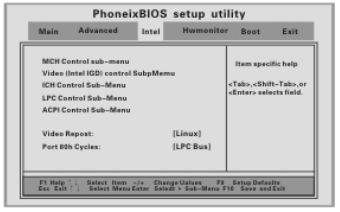
Set User Password
Use this menu option to set the BIOS user password.

Save & Exit Setup
Save BIOS setting changes and exit setup.

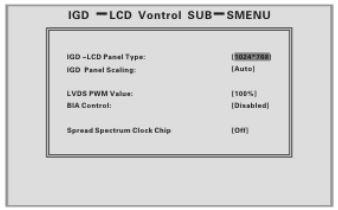
Exit Without Saving
Abandon all BIOS setting changes and exit setup.

2) Display Model & Distinguish Rate Setting.

Step 1

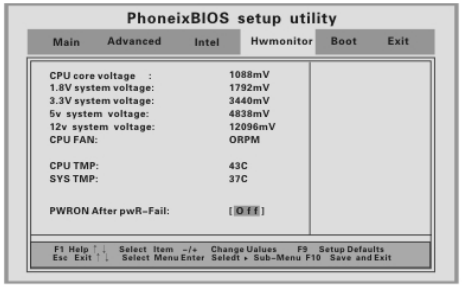


Step 2



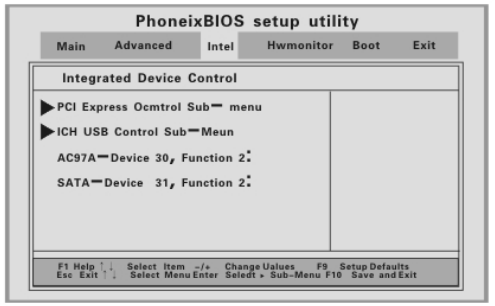
3) Open Machine Setting When Power Open

Step 1

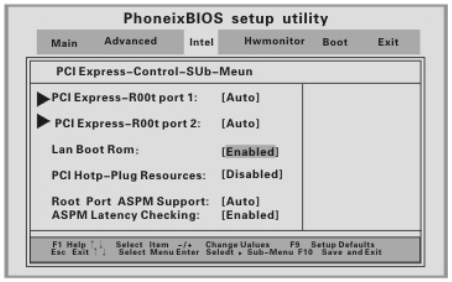


4) Internet Function Setting

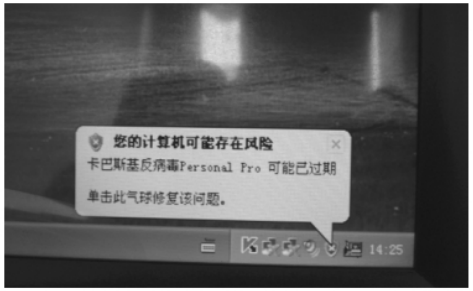
Step1



Step 2

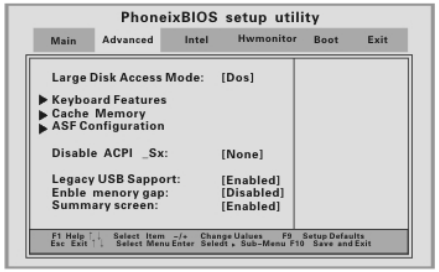


When finish setting , after enter into system you can see following internet icon

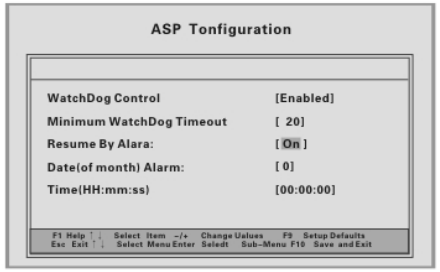


5) Time Setting Of Open Machine

Step 1

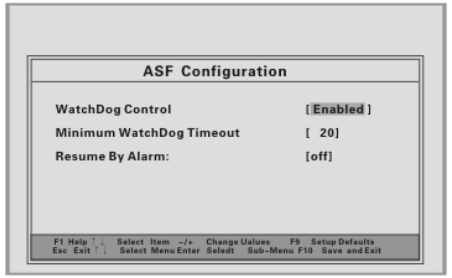


Step 2



6) watchDog

Step 1



5、LED Mainbodar Power Consumption explanation

Playing DVD			
Test Voltage	Measured Volts	Measured Amps	Watts
+3.3V	3.296V	2.820A	9.295W
+5V	4.971V	2.342A	11.642W
5VSB	4.927V	0.000A	0.000W
+12V	11.977V	0.208A	2.491W
		Total Watts	23.428W

Playing MP3			
Test Voltage	Measured Volts	Measured Amps	Watts
+3.3V	3.310V	2.545A	8.424W
+5V	4.986V	2.070A	10.321W
5VSB	4.938V	0.000A	0.000W
+12V	11.988V	0.213A	2.553W
		Total Watts	21.298W

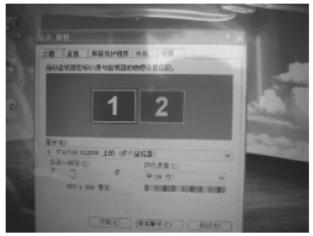
Running Network Applications			
Test Voltage	Measured Volts	Measured Amps	Watts
+3.3V	3.305V	2.722A	8.996W
+5V	4.979V	2.422A	12.059W
5VSB	4.932V	0.000A	0.000W
+12V	11.986V	0.213A	2.553W
		Total Watts	23.608W

Idle			
Test Voltage	Measured Volts	Measured Amps	Watts
+3.3V	3.326V	2.442A	8.122W
+5V	5.020V	1.040A	5.221W
5VSB	4.952V	0.000A	0.000W
+12V	11.977V	0.218A	2.611W
		Total Watts	15.954W

Running CC Winstone2001			
Test Voltage	Measured Volts	Measured Amps	Watts
+3.3V	3.295V	2.631A	8.669W
+5V	4.946V	3.289A	16.267W
5VSB	4.922V	0.000A	0.000W
+12V	12.000V	0.212A	2.544W
		Total Watts	27.481W

6、When Enter Into The Operating System, Must pay attention to the following points:

1）It is not allowed to change the display equipment of display attribute randomtely .if you change , you will not find any icon so you should restart the machine and then press F8 to step into the safty model to unload the display-card , and then reset up the display card drive .



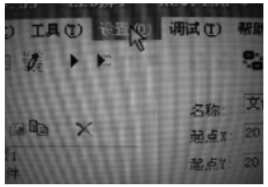
2）When Enter into the system , LED studio will be renovated into newest version .

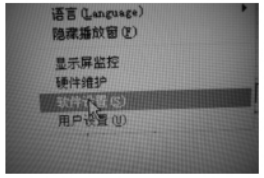
3）The remote controlling function is set by LED studio .

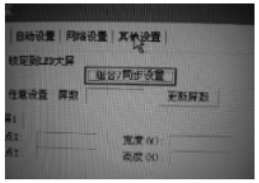
4）The automatic play is set by LED studio

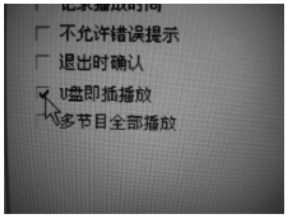
5）. Usb display setting

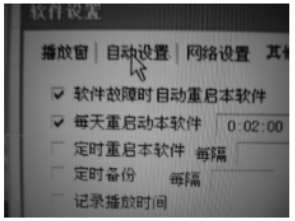
Step1: open the LED studio and select “software setup” in the “option” popup dialog.
Step2: click “other” dialog box and tick ”Usb play”
Step3: save step up.





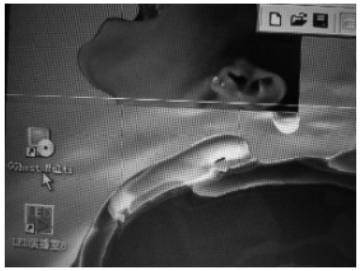


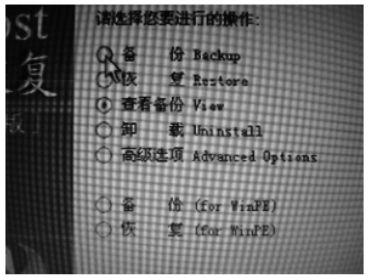


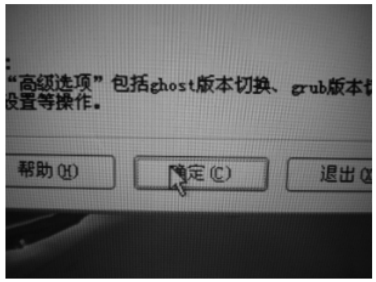


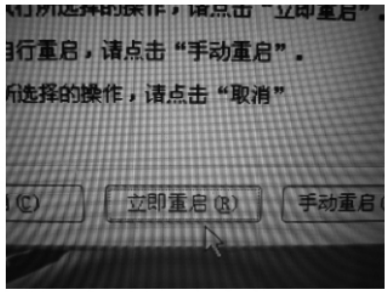
6. Reinstall the system by GGhostMuti

Step1:click”GGhostMuti”icon on the desktop
Step2:select”Backup”in the popup dialog and click ”comfirm” button
Step3:choose “immediately restart” after the system is installed.









7.VGA not displaying

If the computer display in a WINDOWS XP, computer interface that don't display,but LED screen display, Please refer to the following 3 kinds of solutions:

Option1: Restart your computer, press F9 into “GGhost “interface and click ”R” then reinstall system.

Option2:Restart your computer, press F8 into safe mode, reinstall the video driver (driver usually backup in the dish: F :ST 945/VGA)

Option3:Restart your computer (when screen displays entered WINXP desktop), press the shortcut(CTRL + ALT + F1), switch to the VGA output model (namely the computer screen display, the led display don't display),then right-click in the desktop space, click"graphic attributes" setting double display output model .Pay special attention to reset the screen saver and resolution after the previous steps.

The reasons for VGA not displaying is that monitor no always linked VGA port . so that no signal from the VGA output when the computer restarted.

this kind of circumstance appearing is due to driving INTEL chips.