

# **NR115**

## **Intel® 845 Motherboard**

# ***USER'S MANUAL***

**Intel® Pentium®4 Processor Motherboard  
Rev. 1.0**

## Revision History

Revision	Date	Description
1.0		Initial release of NR115 motherboard user's manual

## Item Checklist

**1 NR115 Motherboard**

**1 Floppy Cable**

**1 ATA Cable 66/100**

**1 I/O Shield**

**1 Heatsink Retention Module**

**1 CD for Motherboard Driver**

**NR115 User Manual**

**Quick Installation Guide**

## Safety Instructions

Please follow some precautions when operating your computer.

1. Always unplug the power cord when inserting any add-on card or module inside the system.
2. Use a grounded wrist strap before handling computer components. If one is not available, touch both of your hands to a safely grounded object or to a metal object.
3. Place components on a level grounded antistatic pad or on the packaging that came with the components whenever the components are separated from the system.
4. Keep equipment away from moisture and humidity.
5. Keep this User's Manual for future reference.

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# Chapter 1 Introduction

## Motherboard Specifications

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### Form Factor:

- Standard  $\mu$ ATX 9.6"x 9.6"
- 

### Processor:

- Supports single Intel® Pentium® 4 Processor in 478 ball FC-PGA2 package
  - Processor socket mPGA478B
  - 400 MHz system bus
- 

### Cache Memory:

- Processor integrated level-1 cache and level-2 cache.
- 

### System Memory:

- Two 184-pin DIMM socket (90 degree, tin plated contact)
  - Support PC200/266 DDR SDRAM
  - Support 64Mb, 128Mb, 256Mb, and 512Mb DDR\_SDRAM devices
  - Support minimum 64MB to 2GB maximum
  - Support suspend -to-RAM sleep state (ACPI S3)
- 

### Core Logic Chipset:

- Intel® i845 MCH (Memory Controller Hub) in 593 ball FC-BGA package
  - Intel 82801BA ICH2 (I/O Controller Hub 2) in 360 ball EBGA package
  - Intel 82802AB 2 Mb FWH (Firmware Hub) or equivalent.
  - AGP Controller
  - AGP v2.0 compliant.
  - Supports 1x/2x/4x AGP signaling and 2x/4x Fast Writes
  - Optimized point-to-point topology using 1.5V signaling in 4x mode.
  - 66 MHz asynchronous clock AGP-to-Host interface.
- 

### PCI bus:

- PCI 2.2 compliant
  - PME# and 3.3Vaux signals to support power management.
- 

### Audio:

- ADI AD1885 analog CODEC
  - AC'97 Revision 2.1 compliant (Integrated in ICH2)
  - Three mini-DIN audio jacks (Line-out, Line-in, and Mic-in)
  - Two audio headers, locking type: CD-in, Aux-in
-

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**On board EIDE:**

- 2x PCI IDE ports supporting up to 4 devices
  - Support ATA-33/66/100, PIO up to mode 4
- 

**On board I/O:**

- Low Pin Count (LPC) 3.3V interface between FWH and ICH2
  - 2 serial ports - DB9 (16550 UART).
  - 1 Parallel Port - DB25 with ECP/EPP support.
  - 1 Floppy port with 1.2MB, 1.44MB and 2.88MB support.
  - 1 PS/2 mouse connector, 1 PS/2 keyboard connector.
  - 3 fan output headers.
  - 4 USB Ports: 2 ports with RJ-45/USB connector in back panel, 2 ports with 2X5 header for front panel connection.
- 

**BIOS:**

- Plug & Play BIOS (AMI).
  - 2Mb Firmware Hub
  - ACPI v2.0 – WfM 2.0 – SMBIOS v2.3 – DMI v2.1 – PC2001.
  - Auto detect for: CPU Speed – AGP 4X – ATA-100.
  - Wake-on PS/2 (KB, Mouse) & USB devices.
  - Rapid Boot support
  - WOL, ASF support
  - Power management: ACPI S3, S4 support
- 

**Additional Features:**

- Case intrusion header
  - Thermal sensor & CPU monitoring.
  - NIC with integrated MBA boot (complete WOL support)
  - BIOS recovery & Boot-Block overwrite via jumper.
  - Hardware Monitor Capability (SMSC LPC47M192).
  - Optional On Board LAN
- 

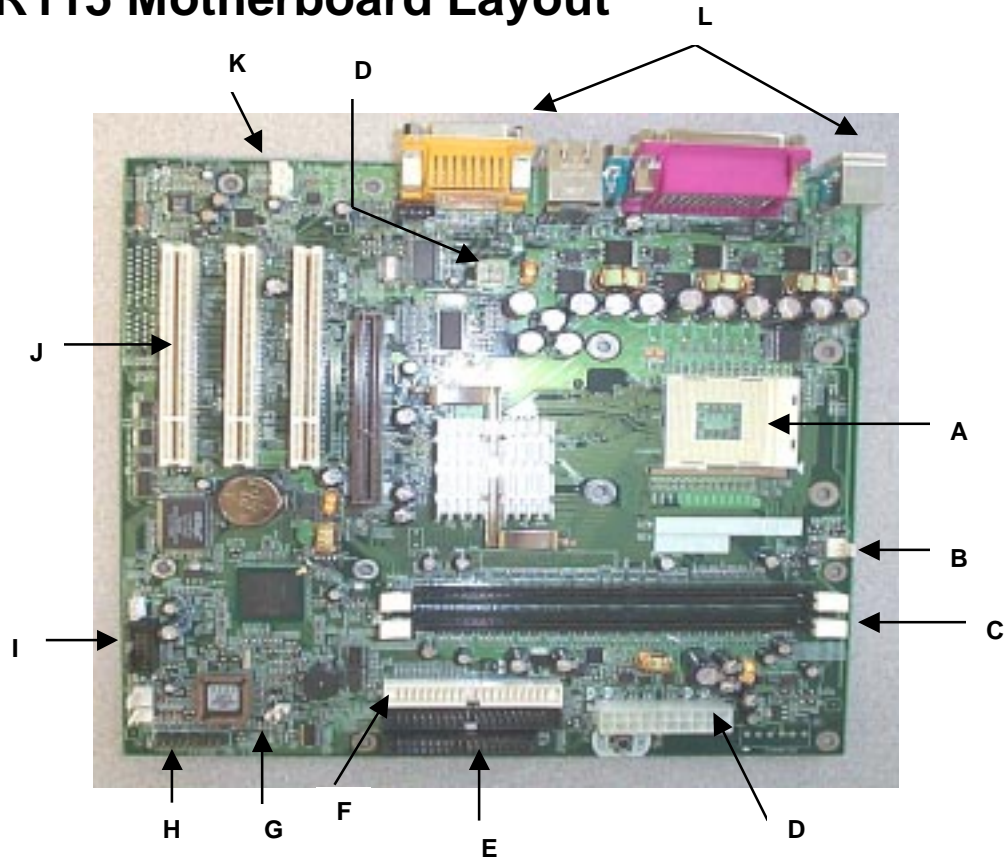
**Expansion Slots:**

- 1 AGP Slot (2X/4X mode).
  - 3 PCI Slots (including 1 shared PCI/CNR Slot)
- 

**Other:**

- Front panel I/O 2X9 header, key pin 14.
  - On-board buzzer.
-

# NR115 Motherboard Layout



A	CPU Socket	G	Jumper Connector
B	CPU Fan Socket	H	Front Panel Connector
C	Memory Sockets	I	Front Side USB
D	Power Supply Connector	J	Expansion Slots
E	Floppy Connector	K	Audio Connector
F	IDE Connectors	L	Back Panel Connectors



Front Panel Connector Pin Definition

Pin	Signal Name	I/O	Description
1	HD_PWR	O	Hard Disk LED pull-up to VCC
2	HDR_BLNK_GRN	O	Front panel Green LED signal
3	HDA*	O	Hard Disk Active LED signal
4	HDR_BLNK_YEL	O	Front panel Yellow LED signal
5	GND	-	Ground
6	FPBUT_IN	I	Front panel On/Off button signal
7	FP_RESET*	I	Front panel Reset button signal
8	GND	-	Ground
9	VCC	O	
10	FPSLP*	I	Front panel sleep button signal
11	IRRX	I	IRDA serial input
12	GND	-	Ground
13	GND	-	Ground
14	KEY	-	KEY
15	IRTX	O	IRDA serial output
16	VCC	O	
17	NC	-	not connected
18	NC	-	not connected

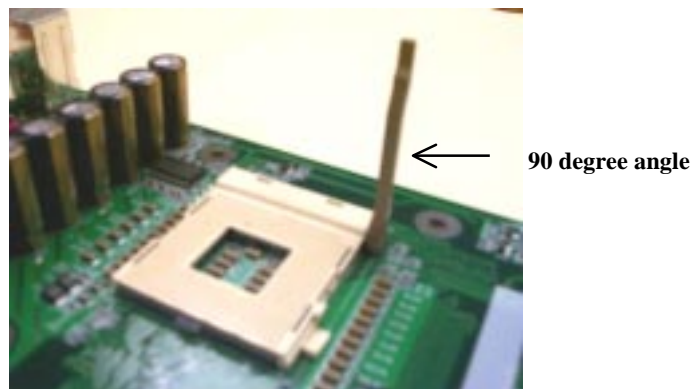
## Chapter 2 Hardware Installation Process

### Installing the Central Process Unit (CPU)

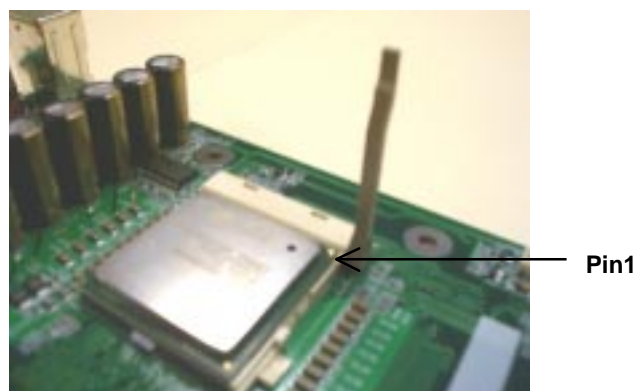
#### CPU Installation

1. Unlock the CPU socket by pulling the lever up to a 90-degree angle.
2. Position the CPU above the socket such that the **marked** corner (pin1) matches the corner near the base of the lever.
3. Place the CPU into the socket. If the CPU is unable to insert properly, check its orientation and attempt to re-install.  
**Warning!** Do not force the CPU into the socket. Doing so will prompt bending of the pins and create damage to the CPU.
4. Close the socket by lowering the lever and locking the lever in place.

#### Step 1



#### Step 2





## Installing the Central Process Unit (CPU) *cont.*

### CPU Heat Sink Installation

1. Read the related CPU heat sink user's manual for more detailed installation procedures.
2. Connect CPU fan power cable into the CPU fan connector on the motherboard.



CPU Fan Connector

## Installing Memory Modules

1. Push the white retaining clips on each of the memory socket outwards.
2. Match the notches on the contact edge of the memory module to the ridges in the memory socket.
3. Insert the memory module vertically into place. When properly inserted, the white retaining clips will move inward to lock in the module.
4. Repeat installation process when adding additional modules.



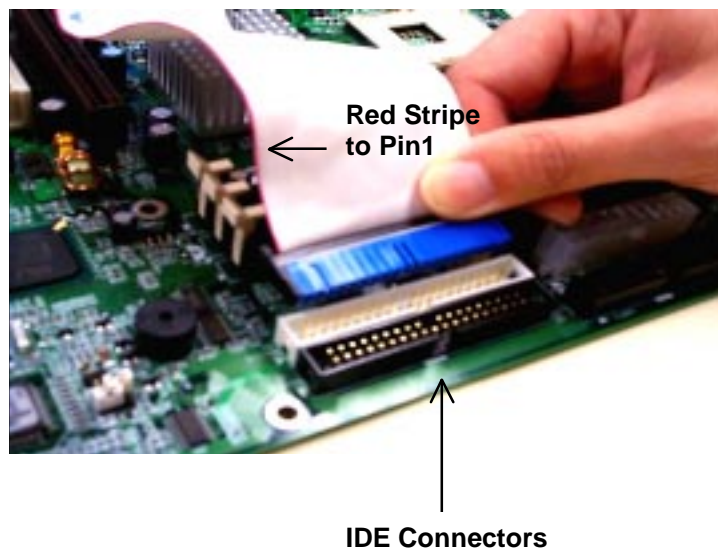
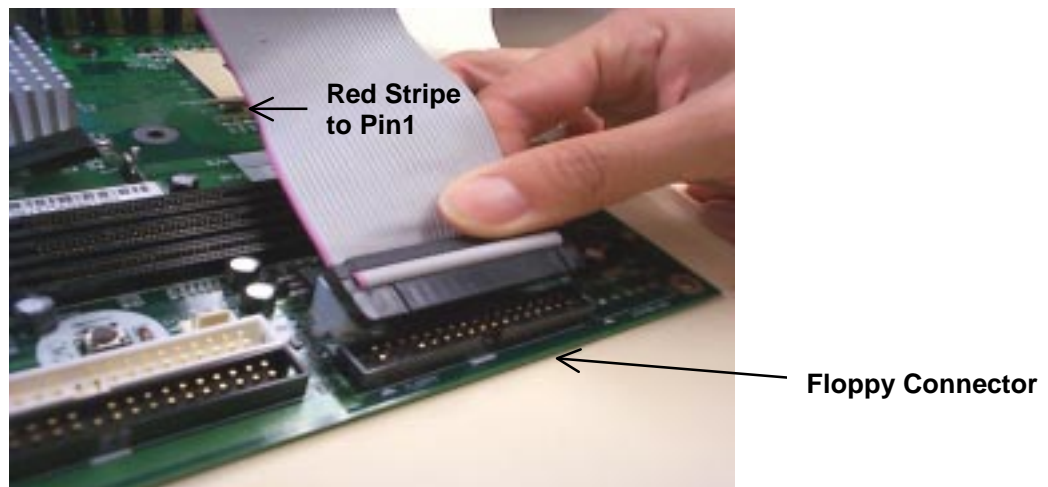
← Retaining Clip

### Total Memory Sizes With Unbuffered DDR DIMM

Devices used on DIMM	1 DIMMx64/x72	2 DIMMsx64/x72
64 Mbit (2Mx8x4 banks)	128 MBytes	256 MBytes
64 Mbit (1Mx16x4 banks)	64 MBytes	128 MBytes
128 Mbit (4Mx8x4 banks)	256 MBytes	512 MBytes
128 Mbit (2Mx16x4 banks)	128 MBytes	256 MBytes
256 Mbit (8Mx8x4 banks)	512 MBytes	1 GByte
256 Mbit (4Mx16x4 banks)	256 MBytes	512 MBytes
512 Mbit (16Mx8x4 banks)	1 GByte	2 GBytes
512 Mbit (8Mx16x4 banks)	512 MBytes	1 GByte

## Connecting IDE and Floppy Disk Cables

1. **Connecting the floppy disk ribbon cable into the motherboard.** The side of the cable with the red stripe needs to be inserted into the Pin1 side of the floppy disk connector.
2. **Connecting the IDE ribbon cable into the motherboard.** The side of the cable with the red stripe should be inserted into Pin1 side of the IDE connector.

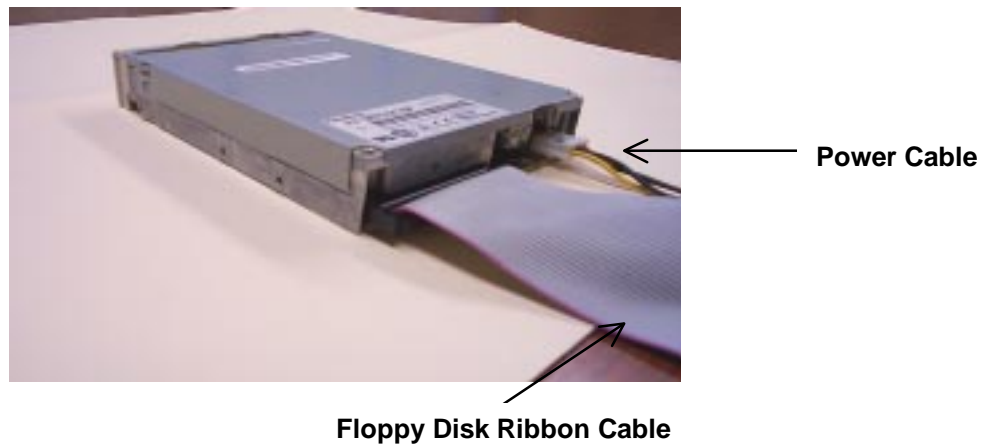


## Connect Floppy and IDE Drives

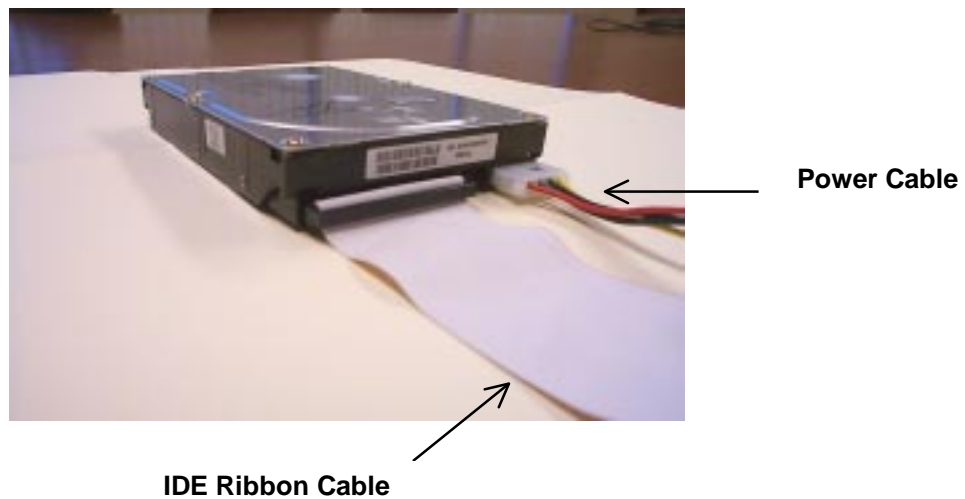
**NOTE:** If installing two IDE devices on the same ribbon cable, one device is to be set as “master” and the second as “slave”. Please refer to IDE device manuals for master and slave settings.

1. Mount the desired drives into the case.
2. Connect the floppy disk ribbon cable and power cable into the device.
3. Connect the IDE ribbon cable and power cable into the device.

### Floppy Disk Drive



### Hard Disk Drive



## Installing Expansion Cards

1. Read the related expansion card's installation instructions before inserting the expansion card into the motherboard.
2. Remove the slot covers from the chassis case where the expansion cards will be placed.
3. Press the expansion card firmly into the expansion slot of the motherboard.
4. Secure the card with the screw provided.
5. Repeat same procedure when adding additional expansion cards.

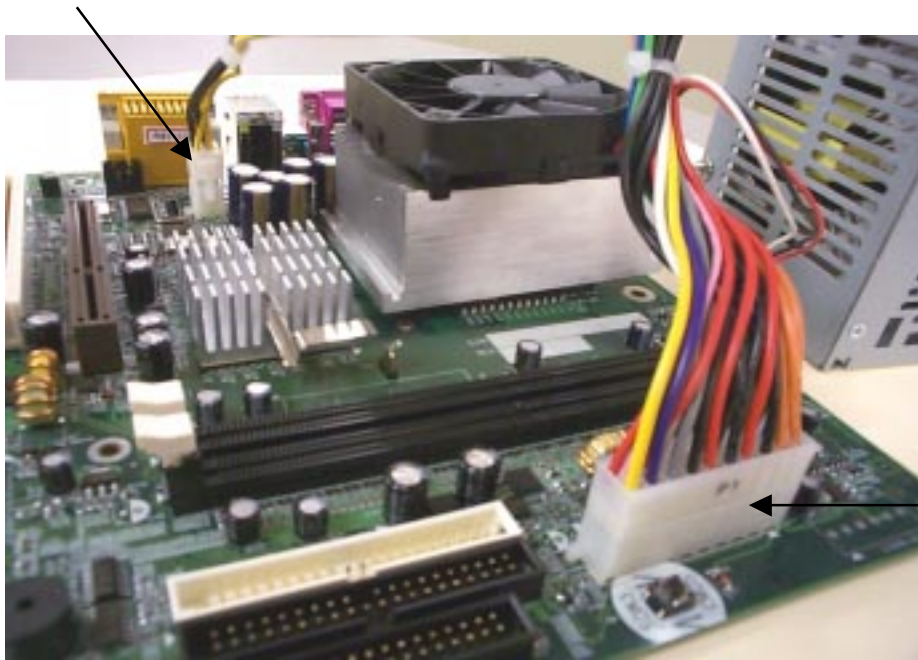


## Connect the Power Supply Cables

NOTE: The ATX power connector is keyed for proper insertion.

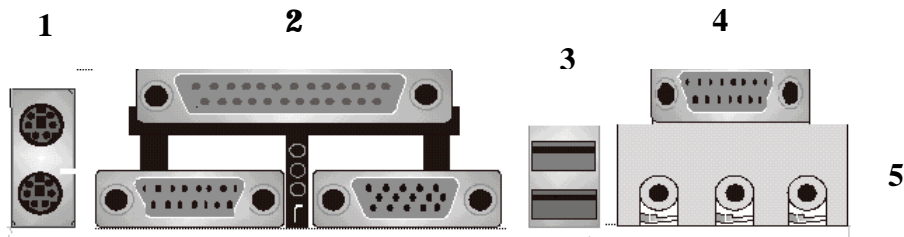
1. Place the plastic clip of the power connector over the plastic tab on the motherboard power connector. The plastic clip should lock into the plastic tab.

**Power Supply Connector**

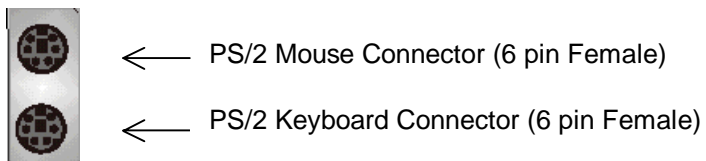


**Power Supply Connector**

## I/O Back Panel Introduction

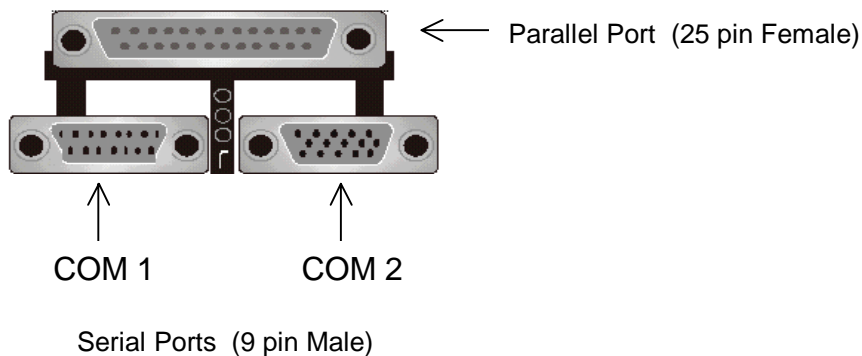


### (1) PS/2 Keyboard and PS/2 Mouse Connector



✚ This connector supports standard PS/2 keyboard and PS/2 mouse.

### (2) Parallel Port and Serial Ports (COM1/COM2)



✚ This connector supports 2 standard COM ports and 1 Parallel port.

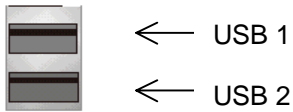
✚ Devices (i.e. printer) can be connected into the Parallel port.

✚ Devices (i.e. mouse and modem etc. can be connected into the Serial ports.



## I/O Back Panel Introduction *cont....*

### (3) USB Connector



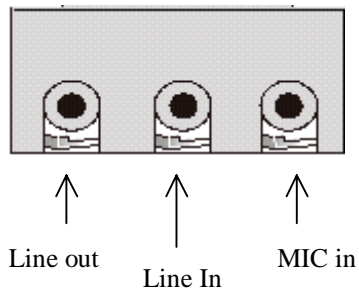
- ✚ Before connecting device(s) into the USB connections, determine if devices have a standard interface.
- ✚ Make sure your computer Operating System (OS) supports the USB controller. If not, contact your OS or device(s) vendors for more information.

### (4) Game Port



- ✚ This connector supports joystick, MIDI keyboard and other related audio devices.

### (5) Audio Connectors



- ✚ Once onboard audio driver has been installed, the speakers may be connected into the Line out jack, audio devices such as CD-ROM etc., and a microphone into the MIC in jack.



## Jumper Introduction

### Jumper Settings



The following graphic shows the meaning of the jumper with cover and without cover.



### FWH Lock

This jumper allows you to set FWH lock.




Reference: JP2  
Connector Type: 1 x 3

JP2		Description	Jumper Placement
1-2		FWH Lock	Put the jumper cover on pin1 and pin2.
2-3		FWH Unlock (Default)	Put the jumper cover on pin2 and pin3.

### BIOS Configuration

This jumper allows you to set CPU speed.

Reference: JP3  
Connector Type: 1 x 3



JP3		Description	Jumper Placement
1-2		Normal Mode (Default)	Put the jumper cover on pin1 and pin2.
2-3		BIOS Conf. (save speed)	Put the jumper cover on pin2 and pin3.
OPEN		BIOS Recovery	Remove jumper from JP5.

## Jumper Introduction *cont....*

### Clear CMOS (Optional)

This jumper allows you to clear the content of the CMOS.



Reference: JP1  
Connector Type: 1 x 3

JP1		Description	Jumper Placement
1-2		Normal	Put the jumper cover on pin1 and pin2.
2-3		Clear content of CMOS	Put the jumper cover on pin2 and pin3.

### Clear Password

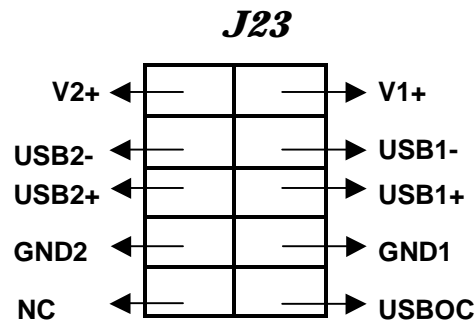
This jumper allows you to clear the password of the BIOS.

Reference: JP4  
Connector Type: 1 x 3

JP4		Description	Jumper Placement
1-2		Normal (Default)	Put the jumper cover on pin1 and pin2.
2-3		Clear BIOS password	Put the jumper cover on pin2 and pin3.

## Jumper Introduction *cont....*

### Front Side USB Connector Pin Definition



**Front Side USB Connector Pin Definition**

Pin	Signal Name	Description
1	V2+	Front Side USB Port2 VCC
2	V1+	Front Side USB Port1 VCC
3	USB2-	Front Side USB Port2 Signal-
4	USB1-	Front Side USB Port1 Signal-
5	USB2+	Front Side USB Port2 Signal+
6	USB1+	Front Side USB Port1 Signal+
7	GND2	Front Side USB Port2 GND
8	GND1	Front Side USB Port1 GND
9	NC	No Connect
10	USBOC	USB Over-Current Detect

## AMI® BIOS Setup

### Entering Setup

To enter the setup menu, first power up the computer and press <Delete> key to enter the CMOS setup.

### The Main Menu

When you enter the AMI® HIFLEX Setup Utility, the below Main Menu will appear. The Main menu allows you to select and modify your computer system. To navigate through the menu, simply use the arrow keys to select among the items and press <Enter> to accept or enter the sub-menu.

AMI HIFLEX SETUP UTILITY - VERSION 1.38 ©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED
NR115 BIOS Rev: 1.11
Standard CMOS Features
Advanced CMOS Features
Advanced Chipset Features
Power Management Setup
PCI / Plug and Play Setup
Peripheral Setup
Hardware Monitor Setup
Auto-Detect Hard Disks
Change User Password
Change Supervisor Password
Auto Configuration with Optimal Setting
Auto Configuration with Fail Safe Settings
Save Settings and Exit
Exit without Saving
Standard CMOS setup for changing time, date, hard disk type, etc.
ESC: Exit    ↑↓: Sel    F2/F3: Color    F10: Save and Exit

## Standard CMOS Setup

The items listed in the Standard CMOS Features Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired value for each item.

AMIBIOS SETUP - STANDARD CMOS SETUP											
©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED											
Date (mm/dd/yyyy) : Wed Nov 28,2001						Base Memory: 639KB					
Time (hh/mm/ss) :						Extd Memory: 127MB					
Floppy Drive A:											
Floppy Drive B:											
	Type	Size	Cyln	Head	Wpcom	LBA Se Mode	BLK Mode	PIO Mode	32Bit Mode		
Pri Master:	Auto									On	
Pri Slave:	Auto									On	
Sec Master:	Auto									On	
Sec Slave:	Auto									On	
Boot Sector Virus Protection: Disabled											
Month: Jan-Dec						ESC: Exit ↑↓: Sel					
Day: 01-31						PgUp/PgDn: Modify					
Year: 1980-2099						F2/F3: Color					

AMIBIOS SETUP - ADVANCED CMOS SETUP		
©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED		
1st Boot Device	Disabled	Available Options:  ESC: Exit    ↑↓: Sel PgUp/PgDn: Modify F2/F3: Color
2nd Boot Device	Floppy	
3rd Boot Device	Disabled	
Try Other Boot Devices	Yes	
Intitital Display Mode	Silent	
Display Mode at Add-On Rom Init	Force BIOS	
S.M.A.R.T for Hard Disk	Disabled	
BootUp Num-Lock	On	
Floppy Drive Seek	Disabled	
Primary Display	VGA/EGA	
Password Check	Always	
Boot To OS/2	No	
CPU MicroCode Updation	Enabled	
C000, 32K Shadow	Cached	
C800, 16K Shadow	Disabled	
CC00, 16K Shadow	Disabled	
D000, 16K Shadow	Disabled	
D400, 16K Shadow	Disabled	
D800, 16K Shadow	Disabled	
DC00, 16K Shadow	Disabled	

## Advanced Chipset Setup

The items listed in the Advanced Chipset Setup Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

AMIBIOS SETUP - ADVANCED CHIPSET SETUP ©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED		
SDRAM Idle Timer	Infinite	Available Options:
SDRAM Read Thermal Management	Disabled	
DRAM Integrity Mode	Disabled	
Memory Hole	Disabled	
AGP Aperture Size	64MB	
USB Controller	All USB Port	
USB Device Legacy Support	All Device	
Port 64/60 Emulation	Disabled	
		ESC: Exit    ↑↓: Sel
		PgUp/PgDn: Modify
		F2/F3: Color





## PCI/Plug and Play Setup

The items listed in the PCI/Plug and Play Setup Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

AMIBIOS SETUP - PCI/PLUG AND PLAY SETUP ©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED		
Plug and Play Aware O/S	No	Available Options:
Clear NVRAM	No	
PCI Latency Timer (PCI Clocks)	32	
Primary Graphics Adapter	AGP	
PCI IDE BusMaster	Enabled	
OffBoard PCI IDE Card	Auto	
OffBoard PCI IDE Primary IRQ	Disabled	
OffBoard PCI IDE Secondary IRQ	Disabled	
		ESC: Exit    ↑↓: Sel PgUp/PgDn: Modify F2/F3: Color

## Peripheral Setup

The items listed in the Peripheral Setup Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

AMIBIOS SETUP - PERIPHERAL SETUP ©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED			
OnBoard IDE	Both	Available Options:	
OnBoard LAN	Enabled		
LAN Chip Boot Rom	Disabled		
OnBoard AC'97	Auto		
OnBoard FDC	Auto		
OnBoard Serial PortA	Auto		
OnBoard Serial PortB	Auto		
Serial PortB Mode	Normal		
IR Duplex Mode	Half Duplex		
IR Receiver Polarity	Active Low		
IR Xmitter Polarity	Active Low		
OnBoard Parallel Port	Auto		
Parallel Port Mode	ECP		
Parallel Port IRQ	Auto		
Parallel Port DMA Channel	Auto		
OnBoard Game Port	200h		
OnBoard Midi Port	290h		
Midi IRQ Select	5		
			ESC: Exit   ↑↓: Sel
			PgUp/PgDn: Modify
		F2/F3: Color	

## Hardware Monitor Setup

The items listed in the Hardware Monitor Setup may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

AMIBIOS SETUP - HARDWARE MONITOR SETUP ©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED		
CPU Ratio Selection	15.0x	Available Options:
---= System Hardware Monitor ===		
Chassis Intrusion	Enabled	
CPU Temperature	51°C/123°F	
System Temperature	35°C/95°F	
CPU Fan Speed	0 RPM	
Chassis Fan Speed	0 RPM	
Vccp	1.717V	
+1.5V	1.501V	
+1.8V	1.806V	
+3.3V	3.423V	
+5.0V	5.202V	
+12.0V	11.875V	
Hvcc (+3.3VSB)	3.351V	
		ESC: Exit    ↑↓: Sel
		PgUp/PgDn: Modify
		F2/F3: Color

## Auto-Detect Hard Disk

The items listed in the Auto-Detect Hard Disk Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

AMIBIOS SETUP - STANDARD CMOS SETUP									
©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED									
Date (mm/dd/yyyy) : Wed Nov 28, 2001					Base Memory: 639KB				
Time (hh/mm/ss) :					Extd Memory: 127MB				
Floppy Drive A:									
Floppy Drive B:									
						LBA	BLK	PIO	32Bit
	Type	Size	Cyln	Head	Wpcom	Mode	Mode	Mode	Mode
Sec									
Pri Master:	Auto								On
Pri Slave:	Auto								On
Sec Master:	Auto								On
Sec Slave:	Auto								On
Boot Sector Virus Protection: Disabled									
Month: Jan-Dec					ESC: Exit ↑↓: Sel				
Day: 01-31					PgUp/PgDn: Modify				
Year: 1980-2099					F2/F3: Color				

## Change User Password

The items listed in the Auto-Detect Hard Disk Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

AMI HIFLEX SETUP UTILITY - VERSION 1.38 ©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED
NR115 BIOS Rev: 1.11
Standard CMOS Features
Advanced CMOS Features
Advanced Chipset Features
Power Management Setup
PCI / Plug and Play Setup
Enter new user password: _
Change User Password
Change Supervisor Password
Auto Configuration with Optimal Setting
Auto Configuration with Fail Safe Settings
Save Settings and Exit
Exit without Saving
Change user password
ESC: Exit    ↑↓: Sel    F2/F3: Color    F10: Save and Exit

## Change Supervisor Password

The items listed in the Change Supervisor Password Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

AMI HIFLEX SETUP UTILITY - VERSION 1.38 ©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED
NR115 BIOS Rev: 1.11  Standard CMOS Features Advanced CMOS Features Advanced Chipset Features Power Management Setup PCI / Plug and Play Setup <div style="border: 3px double black; padding: 10px; margin: 10px 0;">Enter new supervisor password: _</div> Change User Password Change Supervisor Password Auto Configuration with Optimal Setting Auto Configuration with Fail Safe Settings Save Settings and Exit Exit without Saving
Change the supervisor password  ESC: Exit    ↑↓: Sel    F2/F3: Color    F10: Save and Exit

## Auto Configuration with Optimal Setting

The items listed in the Auto Configuration with Optimal Setting Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

AMI HIFLEX SETUP UTILITY - VERSION 1.38 ©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED
NR115 BIOS Rev: 1.11  Standard CMOS Features Advanced CMOS Features Advanced Chipset Features Power Management Setup PCI / Plug and Play Setup <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;">Load high performing setting (Y/N)? <u>N</u></div> Change User Password Change Supervisor Password Auto Configuration with Optimal Setting Auto Configuration with Fail Safe Settings Save Settings and Exit Exit without Saving
Load configuration settings giving highest performance ESC: Exit    ↑↓: Sel    F2/F3: Color    F10: Save and Exit

## Auto Configuration with Fail Safe Settings

The items listed in the Auto Configuration with Fail Safe Settings Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

AMI HIFLEX SETUP UTILITY - VERSION 1.38 ©2001 AMERICAN MEGATRENDS, INC. ALL RIGHTS RESERVED
NR115 BIOS Rev: 1.11  Standard CMOS Features Advanced CMOS Features Advanced Chipset Features Power Management Setup PCI / Plug and Play Setup  <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;">Load failsafe settings (Y/N)? <u>N</u></div> <del>Change Supervisor Password</del> Change Supervisor Password Auto Configuration with Optimal Setting Auto Configuration with Fail Safe Settings Save Settings and Exit Exit without Saving
Load failsafe configuration settings ESC: Exit    ↑↓: Sel    F2/F3: Color    F10: Save and Exit



## Save Settings and Exit

The items listed in the Save Settings and Exit Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

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NR115 BIOS Rev: 1.11  Standard CMOS Features Advanced CMOS Features Advanced Chipset Features Power Management Setup  <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;">Save current settings and exit (Y/N)? <u>Y</u></div> Change User Password Change Supervisor Password Auto Configuration with Optimal Setting Auto Configuration with Fail Safe Settings Save Settings and Exit Exit without Saving
Write the current settings to CMOS and exit ESC: Exit    ↑↓: Sel    F2/F3: Color    F10: Save and Exit

## Exit without Saving

The items listed in the Exit without Saving Features Menu may include no or more than one setup items. Use the arrow keys to navigate through the menu and use the <PgUp> or <PgDn> keys to select the desired option for each item.

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NR115 BIOS Rev: 1.11  Standard CMOS Features Advanced CMOS Features Advanced Chipset Features Power Management Setup PCI / Plug and Play Setup <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;">Quit without saving (Y/N)? <u>N</u></div> Change User Password Change Supervisor Password Auto Configuration with Optimal Setting Auto Configuration with Fail Safe Settings Save Settings and Exit Exit without Saving
Exit without saving the current settings  ESC: Exit    ↑↓: Sel    F2/F3: Color    F10: Save and Exit

## NOTES