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ISA Motherboard

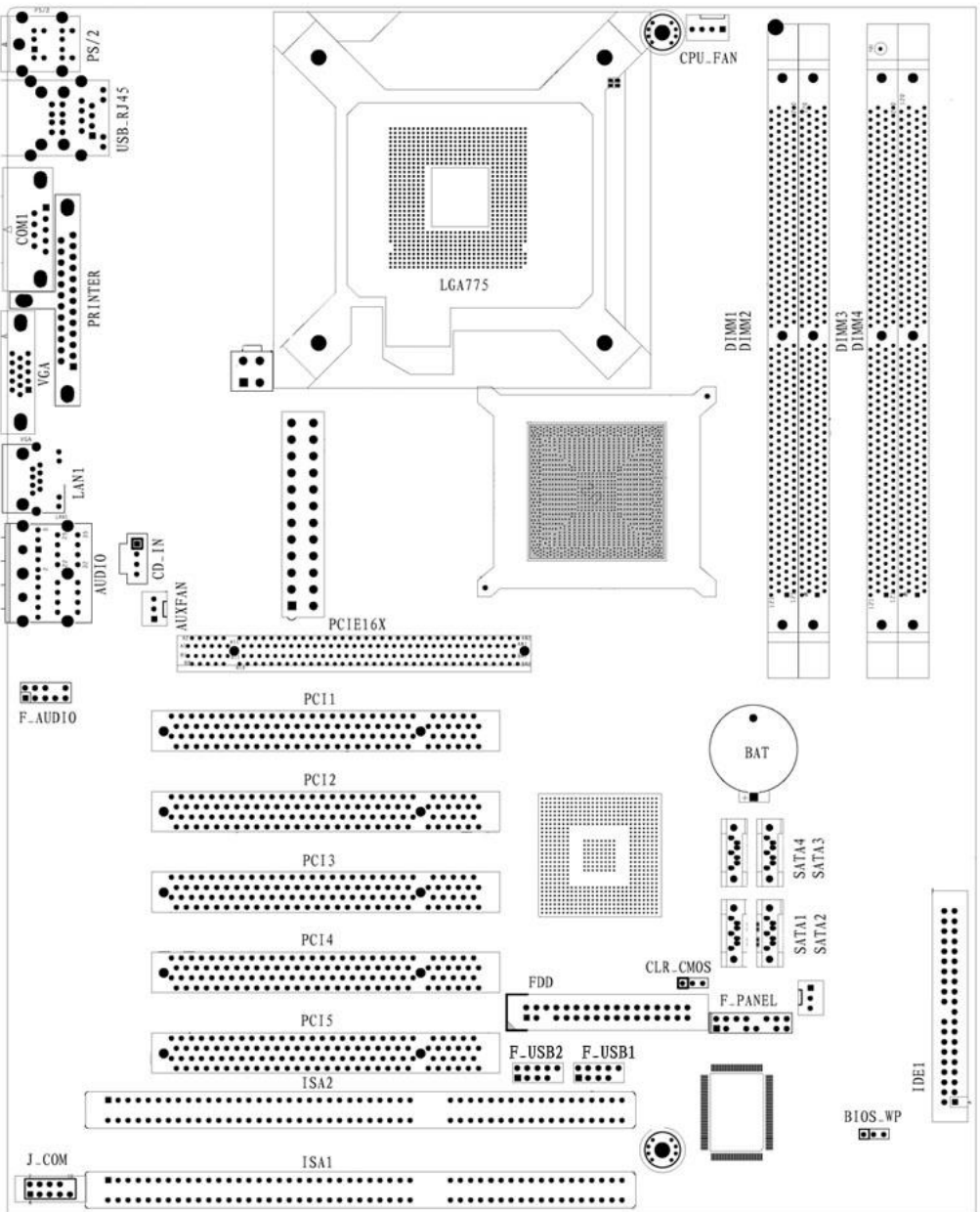
Model : **945GV-2ISA**

with 2 ISA Slots

Chapter 1 Introduction

945GV-2ISA motherboards use Intel 945 + 82801GB chipset,support LGA775 Intel® Core™ 2 Duo / Pentium® D / Pentium® 4 / Celeron® D CPU,support DDR2 400/533/667 memory(MAX support 4G memory); Onboard Intel GMA950 display card; provide 1*PATA 40PIN IDE and 4*SATA2 interface; Onboard 7.1 channel audion chip, onboard 2*Gbe LAN cards; 5*PCI and 2*ISA slots, support 6*USB2.0 and 2*RS232 ports.

1.1 ISA motherboard



ISA Motherboard

945GV-2ISA

1. 2 Datasheet

item	Specifications
CPU	Supports LGA775 Intel® Core™ 2 Duo / Pentium® D / Pentium® 4 / Celeron® D
	Supports 533/800 FSB
Memory	DDR2 400/533/667
MAX memory	4GB
Memory Dimm	2
Chipset	Intel 82801GB
Display	Intel GMA950
Audio	7.1 channel HD Audio
Front Audio	Supported
LAN	2*Gbe
PCI slots	5
ISA slots	2
PCIE16X slot	1
USB 2.0	2*rear io,and 4*5PIN
SATA	4
IDE	1 (40 PIN ,Supports 2*IDE device)
FDD	1
COM ports	2
Print port	1
PS/2	1
VGA PORT	1
Fan	2

Chapter II Hardware installation and settings

Note: please check the motherboard carefully. All the ones marked with "1", white arrow or square pin are 1-pin position.

2. 1 Jumper settings

CLR_CMOS: Clear CMOS settings

1*3 HEADER

1-2	(default)
2-3	Clear CMOS
	

BIOS_WP BIOS Write Protection Settings

1*3 HEADER

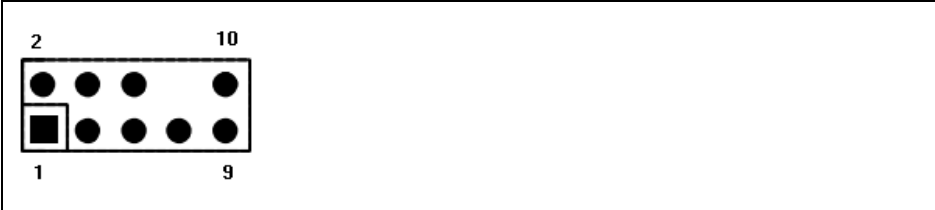
1-2	Enable BIOS write protection
2-3	Disable BIOS write protection (jump to 2-3 for BIOS upgrade)
	

2. 2 Pin and interface definition

F_AUDIO: FRONT AUDIO PANEL

2*5 HEADER

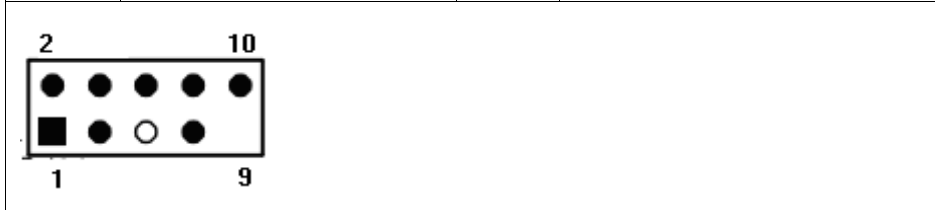
PIN	Function	PIN	Function
1	MIC+	2	Ground
3	Vbias	4	AVCC
5	L_R_Out	6	MIC_JD
7	SENSE	8	KEY
9	L_L_Out	10	LINE_JD



F_USB1/ F_USB2: Front USB

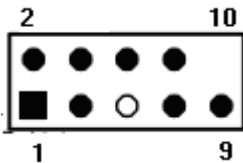
2*5 HEADER

PIN	Function	PIN	Function
1	VCC	2	VCC
3	D-	4	D-
5	D+	6	D+
7	GND	8	GND
9	KEY	10	N.C

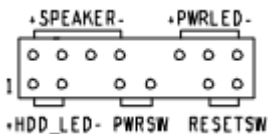


J_COM: RS232 Serial port**2*5 HEADER**

PIN	Signal	PIN	signal
1	DCD-	2	RXD
3	TXD	4	DTR-
5	GND	6	DSR-
7	RTS-	8	CTS-
9	RI-	10	KEY

**F_PANEL: front panel****2*5 HEADER**

PIN	Signal	PIN	Signal
1	HDD_LED+	2	SPEAKER+
3	HDD_LED-	4	N.C
5	KEY	6	N.C
7	PWRSW	8	SPEAKER-
9	PWRSW	10	KEY
11	KEY	12	PWRLED+
13	RESETSW	14	N.C
15	RESETSW	16	PWRLED-



2. 3 Interface description

DIMM	DDR2
PCI1/PCI2/PCI3/PCI4/PCI5	120PIN PCI slot
ISA1/ISA2	ISA slot
VGA	DB15 VGA interface
PRINTER	LPT printer port
PS2	Keyboard mouse interface
LAN1	RJ45
USB_RJ45	Real USB interface+RJ45
F_USB1/ F_USB2	Front USB
COM1	RS232 rear serial port
J_COM	RS232 Post serial port
AUDIO	7.1 channel Audio interface
F_AUDIO	Front Audio interface
IDE1	IDE interface
SATA1/SATA2/SATA3/SATA4	SATA interface
AUXFAN	System Fan interface
CPU_FAN	CPU fan interface
CD_IN	CD signal input