LV-67J

Mini-ITX motherboard

User's Manual

Edition: 1.22 2025/04/25



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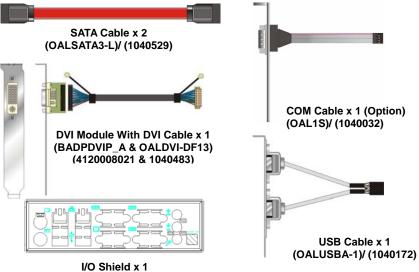
Packing List

Please check package component before you use our products.

Hardware:

LV-67J Mini-ITX motherboard x 1

Cable Kit:



I/O Shield x 1 (OPLATE-67A)/ (1270031)

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Chapter1 <Introduction>

1.1 < Product Overview>

LV-67J is the motherboard with last Intel desktop technology with Mini-ITX form factor. Based on Intel® Q77, the board 3th Generation I3/I5/I7® processor 1155-pin socket, DDR3 memory socket, Intel® HD Graphic technology, Serial ATA II with RAID function for a powerful desktop system.

Intel® Ivy Bridge processor

The Intel 3th Generation I3/I5/I7® processor now comes with a new form factor with 1155-pin FCLGA package, for 1066/1333MHz front-side-bus, 12MB L2 cache, for 65nm and 45nm manufacturing technology, the PLGA processor without pin header on solder side can make user installing the processor on the socket easier.

Intel® Q77 PCH chipset

The Intel Q77 integrates DDR3 1066/1333MHz for memory, and HD Graphic technology for new graphic engine. The Q77 integrates with up to 8 USB2.0 interfaces, and serial ATA II interface with RAID function.

Flexible Extension Interface

The board provides one mini-PCIE socket, one mini-PCI socket and one PCIE X16 slot.

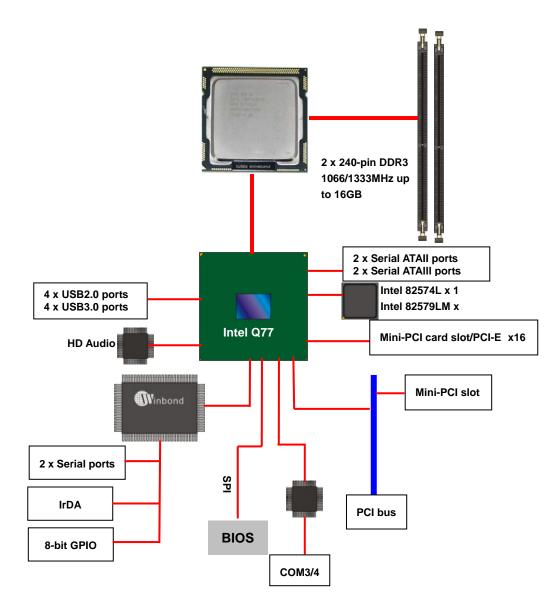
1.2 <Product Specification>

General Specificat	ion	
Form Factor	Mini-ITX motherboard	
CPU	Intel® I3/I5/I7 ® processor	
	With LGA1155 socket	
	Package type: FCLGA 1155	
Memory	2 x 240-pin DDR3 1066/1333MHz SDRAM up to 16GB	
	Unbufferred, none-ECC memory supported only	
Chipset	Intel® BD82Q77 PCH	
BIOS	Phoenix 64Mb SPI flash BIOS	
Green Function	Power saving mode includes doze, standby and suspend modes. ACPI version 1.0 and APM version 1.2 compliant	
Watchdog Timer	System reset programmable watchdog timer with 1 ~ 255 sec./min.	
	of timeout value	
Real Time Clock	Chipset built-in RTC with lithium battery	
Serial ATAII	Intel® Q77 PCH integrates 2 Serial ATA II interface& 2 Serial ATA III	
	RAID 0, 1,5,10 Intel Matrix Storage Technology supported	
Multi-I/O Port		
Chipset	Intel® Q77 PCH with Winbond® W83627DHG-P Controller	
Serial Port	Three RS-232 and one RS232/422/485 serial ports	
USB Port	Four Hi-Speed USB 2.0 ports with 480Mbps of transfer rate	
	Four USB 3.0 ports with 4.8Gbps of transfer rete	
IrDA Port	One IrDA compliant Infrared interface supports SIR	
K/B & Mouse	External PS/2 keyboard and mouse ports on rear I/O panel	
GPIO	One 12-pin Digital I/O connector with 8-bit programmable I/O	
	Interface	
Smart Fan	One CPU fan connectors for fan speed controllable	
VGA Display Interfac	e	
Chipset	Intel Clear Video integrated HD Graphics Technology	
Frame Buffer	Up to 1.7GB shared with system memory	
Display Type	CRT, LCD monitor with analog display	
	Onboard DVI interface	
Connector	External DB15 female connector on rear I/O panel	
	Onboard 20-pin DVI Connector	

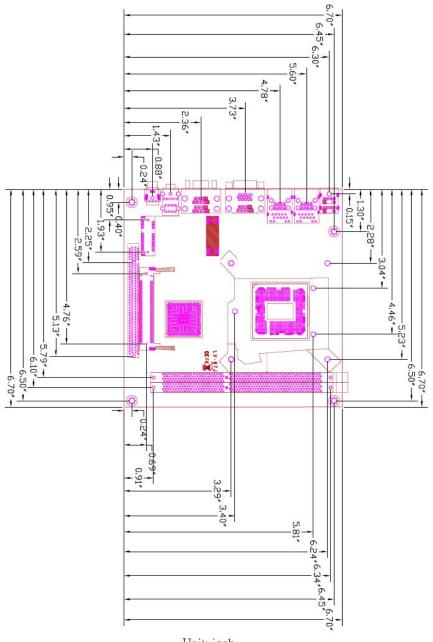
Ethernet Interface	
Controller	One Intel 82574L Gigabit Ethernet controller
	One Intel® integrated Q77 with Intel 82579LM Gigabit Ethernet
Туре	Triple speed 10/100/1000Base-T
	Auto-switching Fast Ethernet
	Full duplex, IEEE802.3U compliant
Connector	Two External RJ45 connectors with LED on rear I/O panel
Audio Interface	
Chipset	Intel® integrated Q77 with Realtek ALC888HD Audio
	Intel High Definition Audio compliance
Interface	2 channels sound output
Connector	External 3 phone jack for 2 channel audio on rear I/O panel
	External SPDIF connector on rear I/O panel
	Internal 10-pin header for line-out, MIC-in, 4-pin header for CD-IN
Power and Enviror	nment
Power	Standard ATX 24-pin (20-pin is compatible) power supply
Requirement	Additional +12V 4-pin power connector
Dimension	170 (L) x 170 (H) mm
Temperature	Operating within 0 ~ 60 ⁰ C (32 ~ 140 ⁰ F)
	Storage within $-20 \sim 85^{\circ}$ C (-4 $\sim 185^{\circ}$ F)
Ordering Code	
LV-67J	Onboard VGA, DVI, 2 x Gigabit LAN, 4 x USB2.0, 4 x USB3.0, 4 x
	serial Port, 4 x SATA, 1 x IrDA, Realtek HD Audio, Mini-PCI, PCIE
	Mini card, PCIE x16.

The specifications may be different as the actual production.

1.3 <Block Diagram>



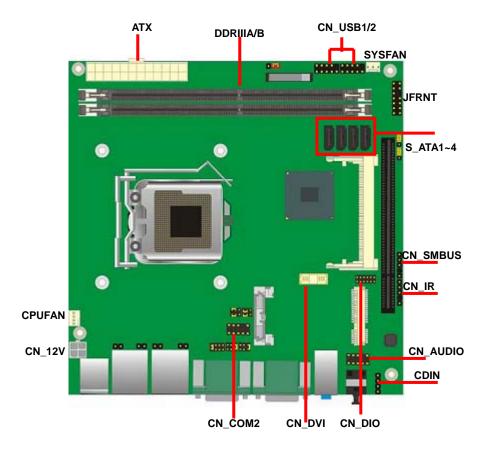
1.4 < Mechanical Drawing >

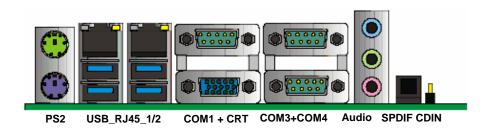


Unit: inch

Chapter 2 <Hardware Setup>

2.1<Connector Location>



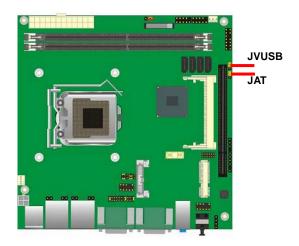


2.2 <Jumper Reference>

Jumper	Function		
JRTC	CMOS Operating/Clear Setting		
JP1	COM1 signal mode switch (For Pin-1 & Pin-9)		
JP2	COM2 signal mode switch (For Pin-1 & Pin-9)		
JAT	Power mode select		
JCSEL1	CN_COM2 RS-232 RS422 RS485 Setting		
JCSEL2	CN_IR IrDA Setting		
JVUSB	USB Voltage Setting		

JVUSB

JAT 3 1



Jumper: JVUSB

Type: Onboard 3-pin jumper

JAT	Mode
1-2	+5V
2-3	+5V_SB

Default setting

Jumper: JAT

Type: Onboard 3-pin jumper

JAT	Mode
1-2	AT Power mode
2-3	ATX Power mode
Defeative entities as	

Default setting

2.3 <Connector Reference>

2.3.1 <Internal Connectors>

Connector	Function	Remark
CPU	LGA1155 CPU socket	
DDRIIIA/B	240 –pin DDR3 SDRAM DIMM socket	
S_ATAII1/2/3/4/	7-pin Serial ATA II connector	
ATX	24-pin power supply connector	
CN_12V	4-pin +12V additional power supply connector	
CN_AUDIO	5 x 2-pin audio connector	
CDIN	4-pin CD-ROM audio input connector	
CN_DIO	6 x 2-pin digital I/O connector	
CN_USB1/2	10-pin USB connector	
CPUFAN	4-pin CPU cooler fan connector	
SYSFAN	3-pin system cooler fan connector	
CN_IR	5-pin IrDA connector	
CN_SMBUS	5-pin SMBUS connector	
JFRNT	14-pin front panel switch/indicator connector	
PCIE_16X	PCI Express 16x slot	
Mini-PCI	1 x Mini-PCI socket	
CN_DVI1	26 Pin connector	
CN_COM2	5 x 2-pin com connector	
MINI_CARD	1 x 52-pin PCI Express mini card	

2.3.2 <External Connectors>

Connector	Function		
PS2	PS/2 Keyboard/Mouse connector		
CRT+COM1	DB15 VGA + Serial port connector		
USB_RJ45_1/2	Dual USB 3.0 and one RJ45 LAN Port		
COM 3/4	Serial port connector		
AUDIO	Audio connectors		
SPDIF	SPDIF digital audio output connector		

2.4 <CPU and Memory Setup>

2.4.1 <CPU installation>

LV-67J has a LGA1155 CPU socket onboard; please check following steps to install the processor properly.

Attention If LV-67J need RMA please Keep CPU socket cover on the CPU Socket.

Warning If CPU Socket internal Pin damage We could not provide warranty.



Intel® 13/15/17® processor Package type: 1155 pin FCLGA FSB:1066/1333MHz

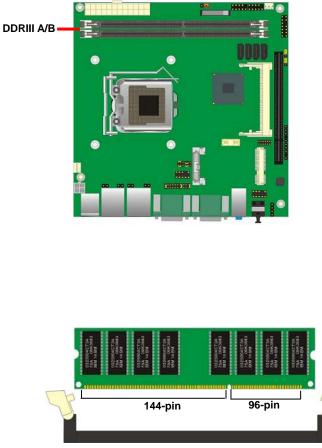


Checked point



2.4.2 <Memory installation>

LV-67J has two 240-pin DDR3 DIMM support up to 16GB of memory capacity. The memory frequency supports 1066/1333 MHz. Only Non-ECC memory is supported.



Please check the pin number to match the socket side well before installing memory module.

2.5 <CMOS Setup>

The board's data of CMOS can be setting in BIOS. If the board refuses to boot due to inappropriate CMOS settings, here is how to proceed to clear (reset) the CMOS to its default values.

Jumper: JRTC

Type: Onboard 3-pin jumper

JRTC	Mode
1-2	Clear CMOS
2-3	Normal Operation
Default setting	3
<u></u>	1 3 JRTC
e	

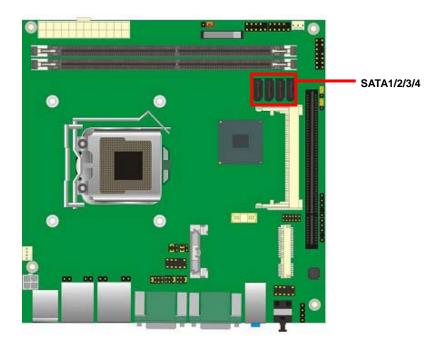
2.6 <Serial ATA installation>

LV-67J has Two Serial ATA II & Two Serial ATA III interfaces with RAID function, the transfer rate of the Serial ATA II can be up to 300MB/s & Serial ATA III can be up to 600MB/s. Please go to http://www.serialata.org/ for more about Serial ATA technology information. Based on Intel® PCH, it supports **Intel® Matrix Storage Technology** with combination of RAID 0,1,5 and 10. The main features of RAID on Intel® Q67 PCH are listed below:

- 1. Supports for up to RAID volumes on a single, two-hard drive RAID array.
- 2. Supports for two, two-hard drive RAID arrays on any of six Serial ATA ports.
- 3. Supports for Serial ATA ATAPI devices.
- 4. Supports for RAID spares and automatic rebuild.
- 5. Supports on RAID arrays, including NCQ and native hot plug.

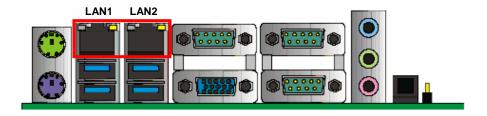
For more information please visit Intel's official website.

For more about the system setup for Serial ATA, please check the chapter of SATA configuration.



2.7 <LAN installation>

The board integrates with one Intel 82574L Gigabit Ethernet controllers and One Intel® integrated Q77with Intel 82579LM Gigabit Ethernet, as the PCI Express bus. The Intel 82574L supports triple speed of 10/100/1000Base-T, with IEEE802.3 compliance and Wake-On-LAN supported.



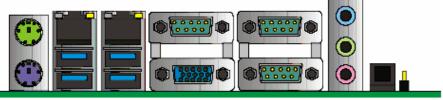
2.8 < Onboard Display Interface>

Based on Intel Q77 chipset with built-in graphics, the board provides one DB15 Connector on real external I/O port and the board also provides 20-pin DVI interface

Notice: When you install any PCI Graphic card, the onboard graphics would be disabled automatically.

2.8.1 <Analog Display>

Please connect your CRT or LCD monitor with DB15 male connector to the onboard DB15 female connector on rear I/O port.



CRT

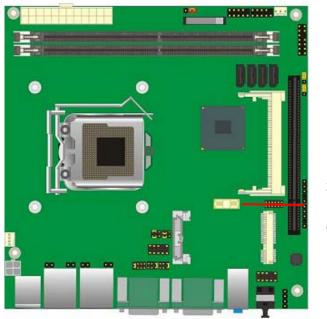
2.8.2 <DVI Display >

The board also comes with a DVI interfac.

Connector: CN_DVI

Connector type: HIROSE DF13-40DP-1.25V

Pin Number	Assignment	Pin Number	Assignment
1	+5V	2	+3.3V
3	HPD	4	Ground
5	TMDSTX0N	6	TMDSTX0P
7	Ground 8		TMDSTX1N
9	TMDSTX1P	10	Ground
11	TMDSTX2N	12	TMDSTX2P
13	Ground	14	TMDSTXCN
15	TMDSTXCP 16		Ground
17	DVI_DA 18 DV		DVI_SL
19	AUXN	20	AUXP





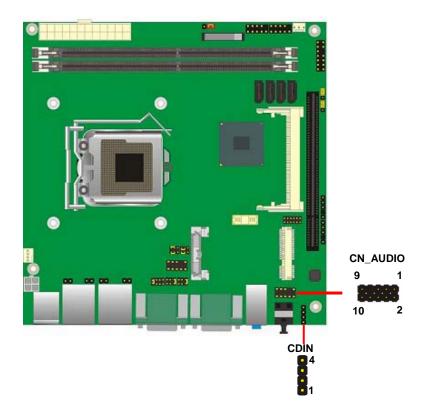
2.9 <Audio Installation>

The board integrates onboard audio interface with REALTEK ALC888 codec, with Intel next generation of audio standard as High Definition Audio, it offers more vivid sound and other advantages than former HD audio compliance.

The main specifications of ALC888 are:

- High-performance DACs with 100dB S/N ratio
- 2 DAC channels support 16/20/24-bit PCM format for 2 audio solution
- 16/20/24-bit S/PDIF-OUT supports 44.1K/48K/96kHz sample rate
- Compatible with HD
- Meets Microsoft WHQL/WLP 2.0 audio requirements

The board provides 2 channels audio phone jacks on rear I/O port, Line-in/MIC-in ports for front I/O panel through optional cable.



Connector: CN_AUDIO

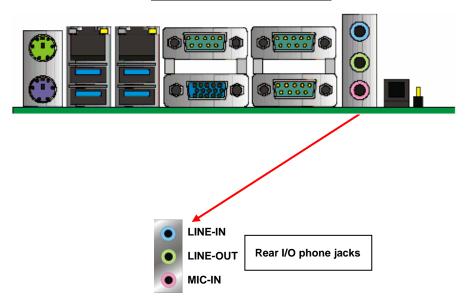
Type: 10-pin (2×5) header (pitch = 2.54mm)

Pin	Description	Pin	Description	
1	MIC_L	2	Ground	
3	MIC_R	4	ACZ_DET	
5	Speaker_R	6	MIC Detect	
7	SENSE	8	N/C	
9	Speaker_L	10	Speaker Detect	

Connector: CDIN

Type: 4-pin header (pitch = 2.54mm)

Pin	Description
1	CD – Left
2	Ground
3	Ground
4	CD – Right



2.10 <GPIO and SMBUS interface>

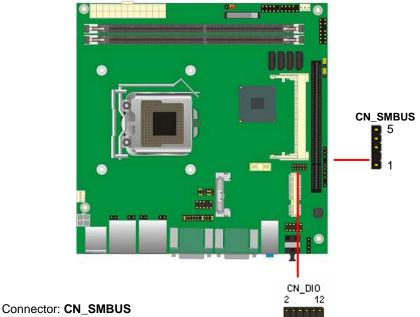
The board provides a programmable 8-bit digital I/O interface, and a SMBUS (System

management bus) interface for control panel application.

Connector: CN_DIO

Type: onboard 2 x 6-pin header, pitch=2.0mm

Pin	Description	Pin	Description	
1	Ground	2	Ground	
3	GP10	4	GP14	
5	GP11	6	GP15	
7	GP12	8	GP16	
9	GP13	10	GP17	
11	VCC	12	+12V	



1

11

Type: 5-pin header for SMBUS Ports

Pin	Description	
1	VCC	
2	N/C	
3	SMBDATA	
4	SMBCLK	
5	Ground	

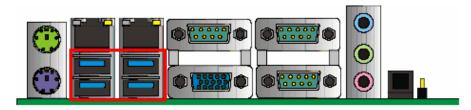
2.11 <USB Installation>

LV-67J integrates Four USB2.0 ports. The specifications of USB2.0 are listed below:

Interface	USB2.0
Controller	Intel Q77 PCH
Transfer Rate	Up to 480Mb/s
Voltage	5V

The specifications of USB3.0 are listed below:

Interface	USB3.0
Controller	Intel® Q77
Transfer Rate	Up to 4.8Gb/s
Voltage	5V

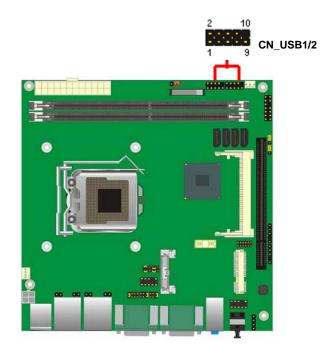


USB3.0

Connector: CN_USB1/2

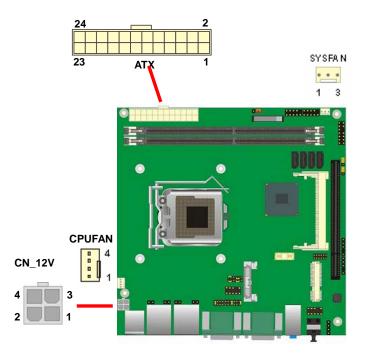
Type: 10-pin (5 x 2) header for USB5/6 Ports

Pin	Description	Pin	Description
1	VCC	2	VCC
3	Data0-	4	Data1-
5	Data0+	6	Data1+
7	Ground	8	Ground
9	Ground	10	N/C



2.12 <Power and Fan Installation>

The **LV-67J** provides a standard ATX power supply with **24-pin** ATX connector and additional 12V connector, and the board provides one **4-pin** fan connectors supporting smart fan for CPU cooler and one 3-pin cooler fan connectors for system and Northbridge chip. The 4-pin CN_12V additional power connector is necessary for CPU powering; please connect this well before you finishing the system setup.



Connector: ATX

Type: 24-pin ATX power connector

PIN assignment				
1	3.3V	13	3.3V	
2	3.3V	14	-12V	
3	GND	15	GND	
4	5V	16	PS_ON	
5	GND	17	GND	
6	5V	18	GND	
7	GND	19	GND	
8	PW_OK	20	-5V	
9	5V_SB	21	5V	
10	12V	22	5V	
11	12V	23	5V	
12	3.3V	24	GND	

Connector: CN_12V

Type: 4-pin standard Pentium 4 additional +12V power connector

Pin	Description	Pin	Description
1	Ground	2	Ground
3	+12V	4	+12V

Connector: CPUFAN

Type:	4-pin	fan	wafer	connector	

Pin	Description	Pin	Description
1	Ground	2	+12V
3	Fan Speed Detection	4	Fan Control

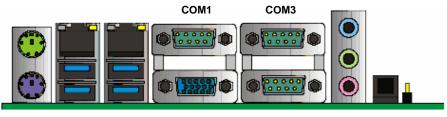
Connector: SYSFAN

Type: 3-pin fan wafer connector

Pir	Description	Pin	Description	Pin	Description
1	Ground	2	+12V	3	Sense

LV-67J User's Manual 2.13 <Serial Port>

The board supports Three RS232 serial port and one jumper select able RS232/422/485 serial ports. The jumper JCSEL1 & JCSEL2 can let you configure the communicating modes for CN_COM2.



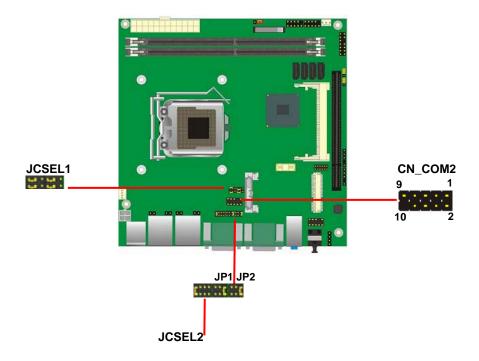
COM4

Connector: CN_COM2

Type: 9-pin header connector for COM2

Pin	Description	Pin	Description
1	DCD/422TX-/485-	2	RXD/422TX+/485+
3	TXD/422RX+	4	DTR/422RX-
5	GND	6	DSR
7	RTS	8	CTS
9	RI	10	N/C

Setting RS-232 & RS-422 & RS-485 for CN_COM2



Function	JCSEL2	JCSEL1
SIR		1 11 B B B B B B B B B B
RS-422		
RS-485		
RS-232	1 7 1 7 2 8	

Default setting:

JCSEL2: (1-2) JCSEL1: (1-3, 2-4, 7-9, 8-10)

Jumper: JP1 (COM 1)/ JP2(COM2)
Type: onboard 3 x 2-pin header

2	6
2	1
1	5

JP1/JP2	Mode
5-6	Standard COM Port
3-4	Pin1 with 5V signal
1-2	Pin9 with 12V signal

Default setting

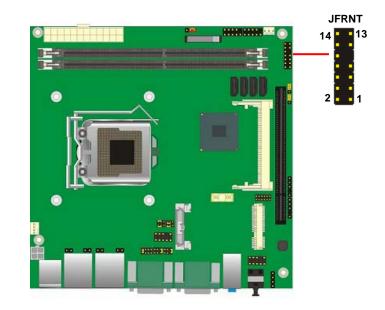
2.14 <Switch and Indicator>

The **JFRNT** provides front control panel of the board, such as power button, reset and beeper, etc. Please check well before you connecting the cables on the chassis.

Connector: JFRNT

Type: onboard 14-pin (2 x 7) 2.54-pitch header

Function	Signal	PIN		Signal	Function
IDE LED	HDLED+	1	2	PWDLED+	Power
IDE LED	HDLED-	3	4	N/C	LED
Reset	Reset+	5	6	PWDLED-	LED
	Reset-	7	8	SPKIN+	
	N/C	9	10	N/C	Speaker
Power	PWRBT+	11	12	N/C	Speaker
Button	PWRBT-	13	14	SPKIN-	

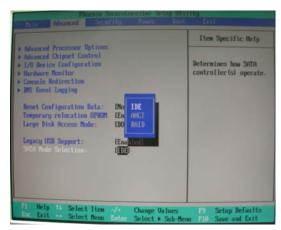


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Chapter 3 < System Configuration>

3.1 <SATA configuration>

SATA Mode:



This option can let you select whether the Serial ATA hard drives would work under normal

IDE mode or RAID mode. The RAID mode need more than one HDD is applied.

3.2 <SATA RAID Configuration>

The board integrates Intel® Q77 PCH with RAID function for Serial ATA II drives, and supports the configurations below:

RAID 0 (Stripping): Two hard drives operating as one drive for optimized data R/W performance. It needs two unused drives to build this operation.

RAID 1 (Mirroring): Copies the data from first drive to second drive for data security, and if one drive fails, the system would access the applications to the workable drive. It needs two unused drives or one used and one unused drive to build this operation. The second drive must be the same or lager size than first one.

RAID 5 (striping with parity)

A RAID 5 array contains three or more hard drives where the data is divided into manageable blocks called strips. Parity is a mathematical method for recreating data that was lost from a single drive, which increases fault-tolerance. The data and parity are striped across all the hard drives in the array. The parity is striped in a rotating sequence to reduce bottlenecks associated with the parity calculations.

RAID 10 (RAID 0+1)

A RAID 10 array uses four hard drives to create a combination of RAID levels 0 and 1. The data is striped across a two-drive array forming the RAID 0 component. Each of the drives in the RAID 0 array is then mirrored by a RAID 1 component.

Intel Matrix Storage Technology: This technology would allow you to use RAID 0+1 mode on only two drives (4 drives needed on traditional RAID 0+1). It will create two partitions on each hard drive to simulate RAID 0 and RAID 1. It also can let you modify the partition size without re-formatted.

For more information of Intel Matrix Storage Technology, please visit Intel's website.

If you need to install an operation system on the RAID set, please use the driver disk attached in the package when it informs you to obtain the RAID drivers.



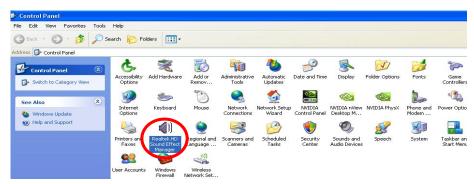
Please press <CTRL+I> to enter the RAID configuration menu.

You can setup the RAID under operation system for Microsoft® Windows XP SP1, please install the Intel® Application Accelerator Ver.4.5 later to support RAID configuration with Intel® Matrix Storage Technology.

3.3 < Audio Configuration>

The board integrates Intel® Q77 PCH with REALTEK® ALC888 codec. It can support 2-channel sound under system configuration. Please follow the steps below to setup your sound system.

1. Install REALTEK HD Audio driver.



- 2. Lunch the control panel and Sound Effect Manager.
- 3. Select Speaker Configuration



4. Select the sound mode to meet your speaker system.

3.4 < Display Properties Setting>

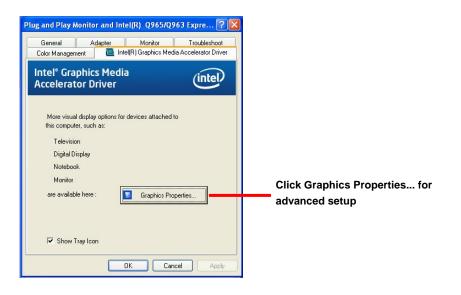
Based on Intel Q77 with HD Graphic, the board supports two DACs for display device as different resolution and color bit.

Please install the Intel Graphic Driver before you starting setup display devices.

1. Click right button on the desktop to lunch display properties

Display P	Propertie	s			? ×
Themes	Desktop	Screen Saver	Appearance	Settings	
Display	-	ions to match the	2		
	and Play M n resolution 1024 by 7	More	Color qua Highest	ality	
		as the primary n dows desktop or Identify			anced

2. Click Advanced button for more specificity setup.



4. This setup options can let you define each device settings.

Click Monitor to setup the CRT monitor for Colors, Resolution and Refresh Rate

Click Intel® Dual Display Clone to setup the dual display mode as same screen

	(intel)		- ×
	Intel®	Multiple Displays	
	Graphics and Media	Operating Mode	Single Display 🔻
Т	Control Panel	Primary Display	✓ Single Display
n	Display		
	General Settings		
	Multiple Displays 🕨		
	Color Enhancement Custom Resolutions Monitor / TV Settings		
	3D		
	Power		
	Options and Support		
		? OK Can	cel Apply

LV-67J User's Manual Chapter 4 <BIOS Setup>

The motherboard uses the Phoenix BIOS for the system configuration. The Phoenix BIOS in the single board computer is a customized version of the industrial standard BIOS for IBM PC AT-compatible computers. It supports Intel x86 and compatible CPU architecture based processors and computers. The BIOS provides critical low-level support for the system central processing, memory and I/O sub-systems.

The BIOS setup program of the single board computer let the customers modify the basic configuration setting. The settings are stored in a dedicated battery-backed memory, NVRAM, retains the information when the power is turned off. If the battery runs out of the power, then the settings of BIOS will come back to the default setting.

The BIOS section of the manual is subject to change without notice and is provided here for reference purpose only. The settings and configurations of the BIOS are current at the time of print, and therefore they may not be exactly the same as that displayed on your screen.

To activate CMOS Setup program, press *<*DEL*>* key immediately after you turn on the system. The following message "Press DEL to enter SETUP" should appear in the lower left hand corner of your screen. When you enter the CMOS Setup Utility, the Main Menu will be displayed as **Figure 4-1**. You can use arrow keys to select your function, press *<*Enter*>* key to accept the selection and enter the sub-menu.

		Item Specific Help
System Time: System Date: > SATA Port 1 > SATA Port 2 > SATA Port 3 > SATA Port 4 > No Function > No Function	(10:51:45) (04/15/2009) (None) (FUJITSU MHU200000H PL-(S2)) (None) (None) (None) (None) (None)	<tab>, (Shift-Tab>, on (Enter) selects field</tab>
 Memory Cache Boot Features QPI Link Freq: System Memory: Extended Memory: 	4.800 GT/s 631 KB 2096128 KB	

Figure 4-1 CMOS Setup Utility Main Screen

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Appendix A <I/O Port Pin Assignment>

A.1 <Serial ATA Port>

Connector: S_ATA1/2/3/4

Type: 7-pin wafer connector



1	2	3	4	5	6	7
GND	RSATA_TXP1	RSATA_TXN1	GND	RSATA_RXN1	RSATA_RXP1	GND

A.2 <IrDA Port>

Connector: **CN_IR** Type: 5-pin header for SIR Ports



Pin	Description
1	VCC
2	N/C
3	IRRX
4	Ground
5	IRTX

A.3 <Serial Port>

	6 7 8
•••	7 8 9

Connector: COM1/3/4

Type: 9-pin D-sub male connector on bracket

Pin	Description	Pin	Description	
1	DCD	6	DSR	
2	SIN	7	RTS	
3	SO	8	CTS	
4	DTR	9	RI	
5	Ground			

A.4 <VGA Port>

Connector: CRT

Type: 15-pin D-sub female connector on bracket



					10
Pin	Description	Pin	Description	Pin	Description
1	RED	6	Ground	11	N/C
2	GREEN	7	Ground	12	DDC_DA
3	BLUE	8	Ground	13	HSYNC
4	N/C	9	+5V	14	VSYNC
5	Ground	10	Ground	15	DDC_CLK

A.5 <LAN Port>

Connector: RJ451/2

Type: RJ45 connector with LED on bracket



Pin	1	2	3	4	5
Description	TRD0+	TRD0-	TRD1+	TRD2+	TRD2-
Pin	6	7	8	9	10

LV-67J User's Manual Appendix B < Programming GPIO's>

The GPIO'can be programmed with the MSDOS debug program using simple

IN/OUT commands. The following lines show an example how to do this.

GPIO0GPIO7	bit0bit7
-o 2E 87	;enter configuration
-o 2E 87	
-o 2E 07	
-o 2F 09	;enale GPIO function
-o 2E 30	
-o 2F 02	;enable GPIO configuration
-o 2E F0	
-o 2F xx	;set GPIO as input/output; set '1' for input,'0'for output
-o 2E F1	
-o 2F xx	;if set GPIO's as output,in this register its value can be set
Optional :	
-o 2E F2	
-o 2F xx	; Data inversion register ; '1' inverts the current valus of the bits ,'0'
	leaves them as they are
-o 2E 30	
-o 2F 01	; active GPIO's

For further information ,please refer to Winbond W83627DHG-P datasheet.

LV-67J User's Manual Appendix C <Watch Dog timer Setting >

The watchdog timer makes the system auto-reset while it stops to work for a period. The

integrated watchdog timer can be setup as system reset mode by program.

Timeout Value Range

- 1 to 255

_

- Second or Minute

Program Sample

Watchdog timer setup as system reset with 5 second of timeout

2E, 87	
2E, 87	
2E, 07	
2F, 08	Logical Device 8
2E, 30	Activate
2F, 01	
2E, F5	Set as Second*
2F, 00	
2E, F6	Set as 5
2F, 05	

* Minute: bit 3 = 0; Second: bit 3 = 1

You can select Timer setting in the BIOS, after setting the time options, the system will reset according to the period of your selection.

Contact Information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

Address	19F., No.94, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 22102, Taiwan
TEL	+886-2-26963909
FAX	+886-2-26963911
Website	http://www.commell.com.tw
E-Mail	info@commell.com.tw (General Information) tech@commell.com.tw (Technical Support)

