

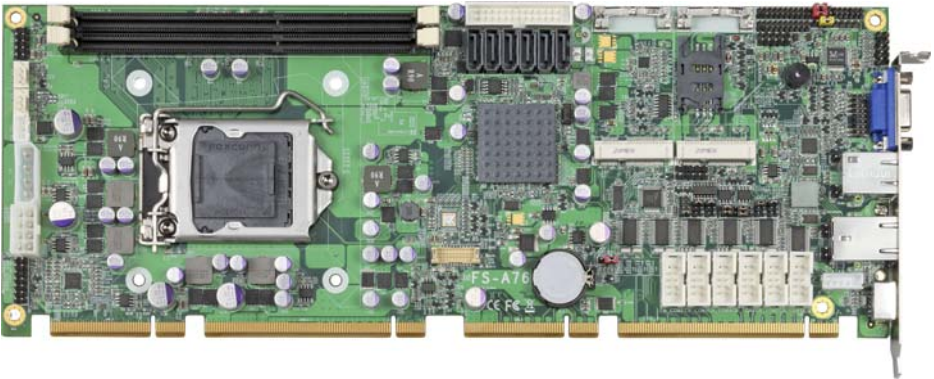
FS-A76

PICMG1.3 Full-size CPU Card

User's Manual

Edition 1.44

2025/04/09



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Packing List:

Please check the package content before you starting using the board.

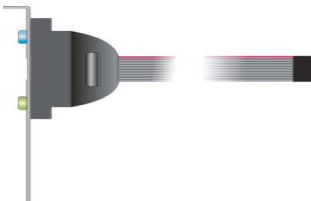
Hardware:

FS-A76 PICMG1.3 Full-size CPU Card motherboard x 1

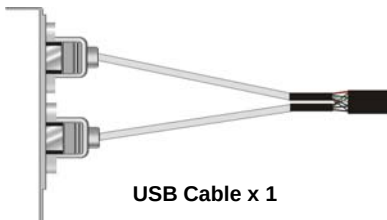
Cable Kit:



SATA Cable x 2
(OALSATA3-L)/ (1040529)



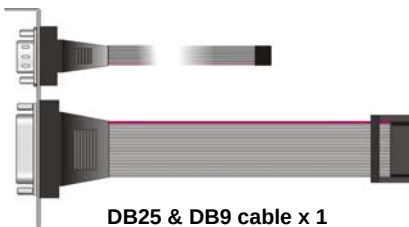
Audio Port Cable x 1
(OALPJ-HD)/ (1040120)



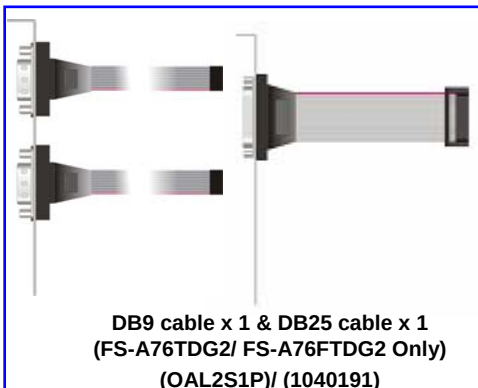
USB Cable x 1
(OALUSBA-1)/ (1040172)



DVI module with bracket x 1
(BADPDVIP_A&OALDVI-DF13)/
(4120008021&1040483)



DB25 & DB9 cable x 1
(FS-A76TDG/ FS-A76FTDG Only)
(OAL1S1P)/ (1040041)



DB9 cable x 1 & DB25 cable x 1
(FS-A76TDG2/ FS-A76FTDG2 Only)
(OAL2S1P)/ (1040191)

Optional:



USB3.0 Cable
(OALUSB3)/ (1040531)

Index

Chapter 1 <Introduction>	6
1.1 <Product Overview>	6
1.2 <Product Specification>	7
1.3 <Mechanical Drawing>	9
1.4 <Block Diagram>	10
Chapter 2 <Hardware Setup>	11
2.1 <Connector Location>	11
2.2 <Jumper Location & Reference>	12
2.3 <Connector Reference>	13
2.3.1 <Internal Connectors>	13
2.3.2 <External Connectors>	13
2.4 <CPU and Memory Setup>	14
2.4.1 <CPU Setup>	14
2.4.2 <Memory installation>	15
2.5 <CMOS Setup>	15
2.6 <Serial ATA Interface>	16
2.7 <Ethernet Interface>	17
2.8 <Onboard Display Interface>	18
2.8.1 <Analog Display>	18
2.8.2 <DVI Display >	19
2.9 <Integrated Audio Interface>	20
2.10 <USB Interface>	22
2.11 <Serial Port>	24
2.12 <GPIO and SMBUS Interface>	26
2.13 <Power Supply and Fan Interface >	27
2.14 <Switch and Indicator>	28
Chapter 3 <System Setup>	29
3.1 <Audio Configuration>	29
3.2 <Display Properties Setting>	30

Chapter 4 <BIOS Setup>.....32

Appendix A <I/O Port Pin Assignment>34

 A.1 <Serial ATA Port>34

 A.2 <IrDA Port>.....34

 A.3 <VGA Port>34

 A.4 <LAN Port>.....34

 A.5 <LAN LED Port>.....35

 A.6 <Parallel Port>.....35

Appendix B <Programming GPIO's>.....36

Appendix C <Programming Watchdog Timer >.....37

Appendix D <TPM Setup>.....38

Contact Information39

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Chapter 1 <Introduction>

1.1 <Product Overview>

FS-A76 the 3rd Generation Intel of the PICMG1.3 Full-size CPU Card motherboard, supports 3rd Generation Intel® Core™ i7, Core™ i5, Core™ i3 and Pentium® Desktop Processor and features Intel Q77 chipset, integrated HD Graphics, DDR3 memory, REALTEK High Definition Audio, Serial ATA and Intel Gigabit LAN.

Intel® FCLGA1155 processor

The Intel® i3/i5/i7/Pentium® 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 4 USB2.0 interfaces, and serial ATA II interface with RAID function.

1.2 <Product Specification>

General Specification

Form Factor	PICMG1.3 Full-size CPU Card
CPU	3rd Generation Intel® Core™ I3/I5/I7/Pentium® processor With LGA1155 socket Package type: FCLGA 1155
Memory	2 x 240-pin DDR3 1066/1333MHz SDRAM up to 16GB Unbuffered, 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 3.0 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 4 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	Four RS-232 and one RS232/422/485 serial ports
USB Port	Four Hi-Speed USB 2.0 ports with 480Mbps of transfer rate Four USB3.0 ports with 5Gbps of transfer rate
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 Interface

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 82579LM Gigabit Ethernet controller (FS-A76TDG&FS-A76FTDG Only)
Type	Triple speed 10/100/1000Base-T Auto-switching Fast Ethernet Full duplex, IEEE802.3U compliant

FS-A76 User's Manual

Connector	Two External RJ45 connectors with LED on rear I/O panel
-----------	---

Expansive Interface

PCI-Express	One X16 and one X4 or X1 on PICMG 1.3 Interface
PCI	Four PCI bus master on PICMG 1.3 Interface

Audio Interface

Chipset	Intel® integrated Q77with Realtek ALC888HD Audio Intel High Definition Audio compliance
Interface	2 channels sound output
Connector	Internal 10-pin header for line-out, MIC-in, 4-pin header for CD-IN

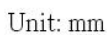
Power and Environment

Power Requirement	+5V, +12 DC input & 5VSB Requirement
Dimension	338 (L) x 126 (W) mm
Temperature	Operating within 0 ~ 60°C (32 ~ 140°F) Storage within -20 ~ 85°C (-4 ~ 185°F)

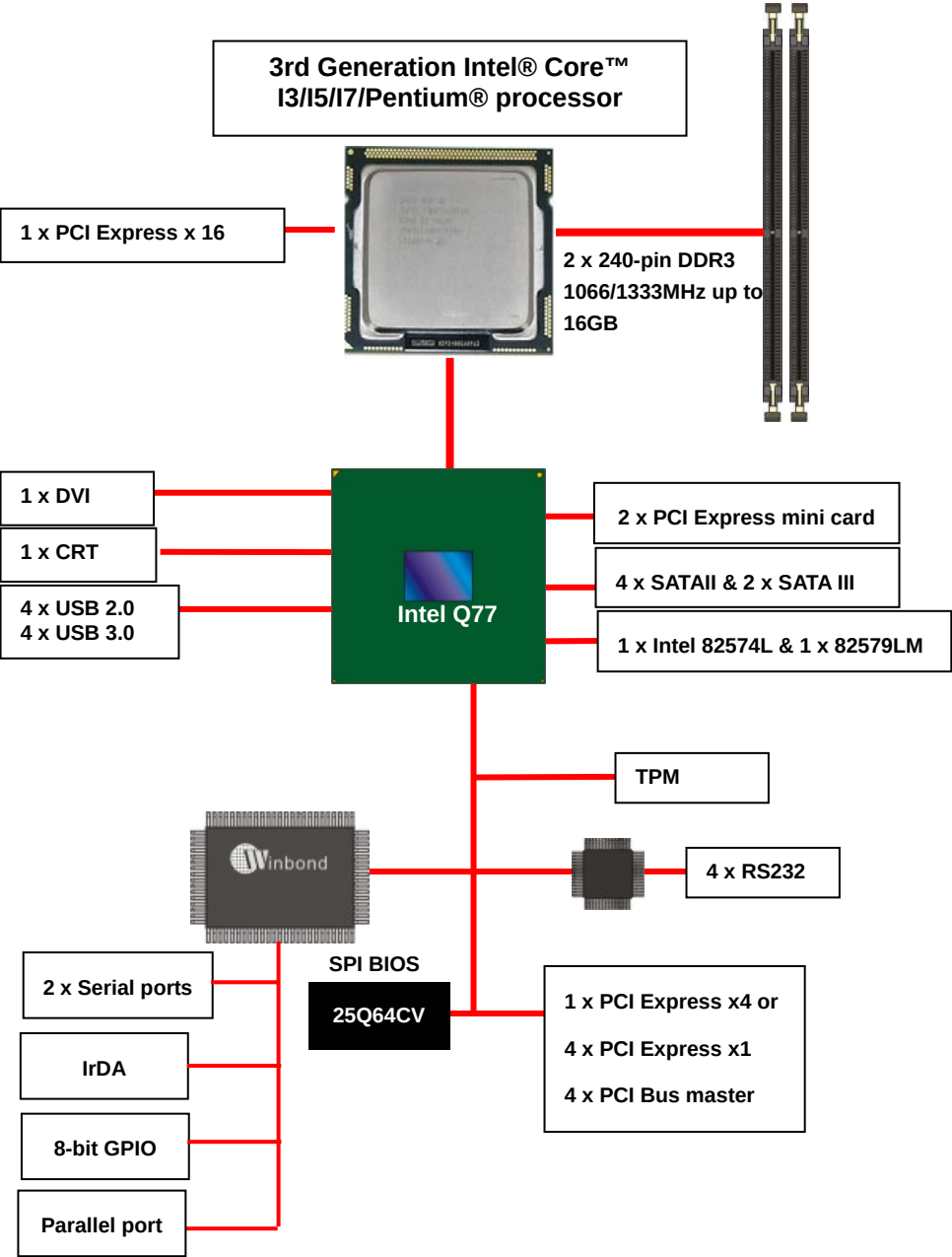
Ordering Code

FS-A76TDG	Onboard VGA, DVI, 8 x USB2.0, 6 x serial Port, 6 x SATA, HD Audio, GPIO, 2 x PCI Express mini card, 4 x PCI Bus master, 1 x Giga LAN (82579LM) Support Four X1 & One X16 PCI Express interface
FS-A76FTDG	Onboard VGA, DVI, 8 x USB2.0, 6 x serial Port, 6 x SATA, HD Audio, GPIO, 2 x PCI Express mini card, 4 x PCI Bus master, 1 x Giga LAN (82579LM) Support One X4 & One X16 PCI Express interface
FS-A76TDG2	Onboard VGA, DVI, 8 x USB2.0, 6 x serial Port, 6 x SATA, HD Audio, GPIO, 2 x PCI Express mini card, 4 x PCI Bus master, 2 x Giga LAN Support Four X1 & One X16 PCI Express interface
FS-A76FTDG2	Onboard VGA, DVI, 8 x USB2.0, 6 x serial Port, 6 x SATA, HD Audio, GPIO, 2 x PCI Express mini card, 4 x PCI Bus master, 2 x Giga LAN Support One X4 & One X16 PCI Express interface

The specifications may be different as the actual production.

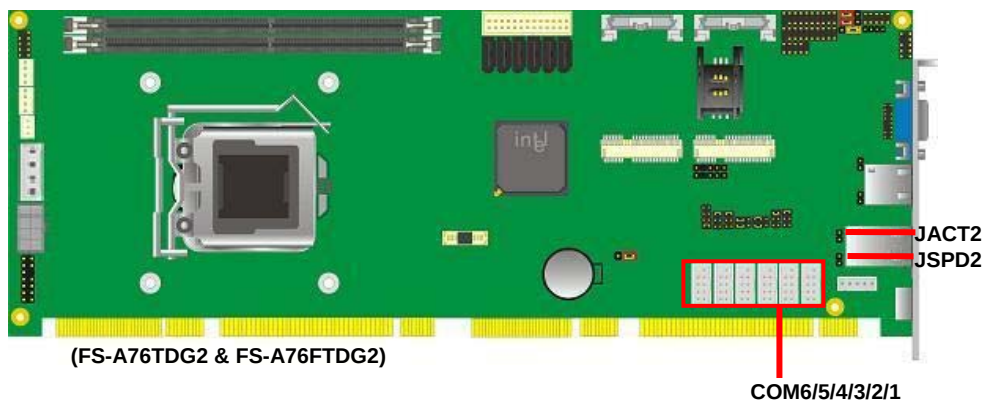
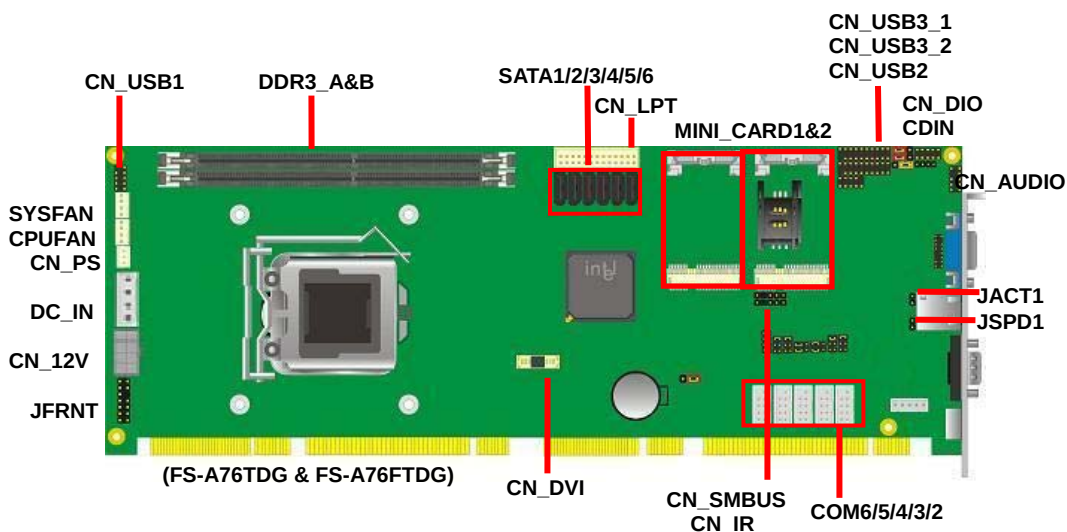


1.4 <Block Diagram>

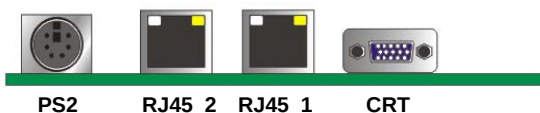


Chapter 2 <Hardware Setup>

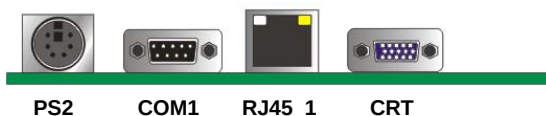
2.1 <Connector Location>



FS-A76TDG2 & FS-A76FTDG2

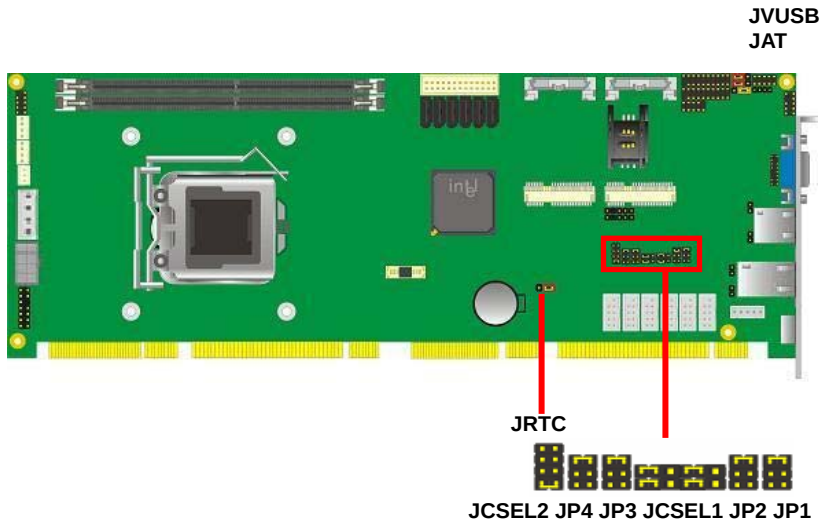


FS-A76TDG & FS-A76FTDG



2.2 <Jumper Location & Reference>

Jumper	Function
JRTC	CMOS Operating/Clear Setting
JAT	Power mode select
JP1	Com1 Voltage Setting (For Pin 9)
JP2	Com2 Voltage Setting (For Pin 9)
JP3	Com3 Voltage Setting (For Pin 9)
JP4	Com4 Voltage Setting (For Pin 9)
JCSEL1	CN_COM2 RS-232 RS422 RS485 Setting
JCSEL2	
JVUSB	USB Voltage Setting



Jumper: **JAT**
Type: Onboard 3-pin jumper

JAT

13

JAT	Mode
1-2	AT Power mode
2-3	ATX Power mode

Default setting

2.3 <Connector Reference>

2.3.1 <Internal Connectors>

Connector	Function	Remark
CPU	LGA1155 CPU socket	
DDR3A&B	240 –pin DDR3 SDRAM DIMM socket	
SATA 1/2	7-pin Serial ATAII connector	
SATA 3/4/5/6	7-pin Serial ATAII 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_USB 1/2	5 x 2-pin USB connector	
CN_USB 3_1/2	10 x 2-pin USB connector	
CPUFAN	4-pin CPU cooler fan connector	
SYSFAN	4-pin system cooler fan connector	
CN_IR	5-pin IrDA connector	
CN_COM1/2/3/4/5/6	9-pin com connector	
JFRNT	14-pin front panel switch/indicator connector	
Mini-Card1/2	2 x 52-pin Mini-PCIE socket	
CN_LPT	13 x 2-pin printer connector	
JSPD 1/2	LAN Speed LED connector	
JACT 1/2	LAN Activity LED connector	
CN_DVI	13 x 2-pin DVI connect	

2.3.2 <External Connectors>

Connector	Function	Remark
RJ45 1/2	1 x RJ45 LAN connector	
CRT	DB15 and analog VGA connector	
PS/2	PS/2 keyboard and mouse connector	

(FS-A76G2 & FS-A76FG2)

Connector	Function	Remark
RJ45 1	1 x RJ45 LAN connector	
CRT	DB15 and analog VGA connector	
PS/2	PS/2 keyboard and mouse connector	
COM1	1 x DB9 connector	

(FS-A76G & FS-A76FG)

2.4 <CPU and Memory Setup>

2.4.1 <CPU Setup>

FS-A76 has a LGA1155 CPU socket onboard; please check following steps to install the processor properly.

Attention If FS-A76 need RMA please Keep CPU socket cover on the CPU Socket.

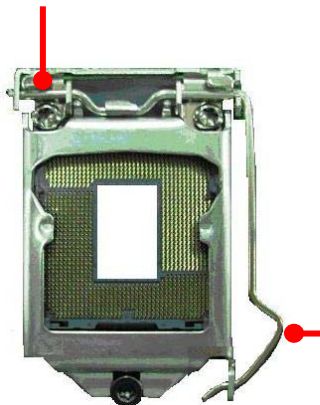
Warning If CPU Socket internal Pin damage We could not provide warranty.



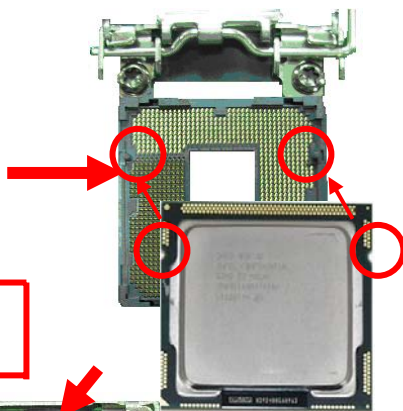
3rd Generation Intel® Core™
I3/I5/I7/Pentium® processor
Package type: 1155 pin FCLGA
FSB: 1066/1333MHz

1. Lift this bar

Checked point



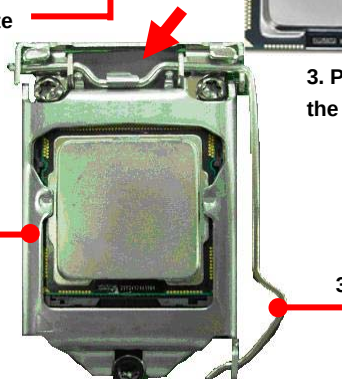
2. Uncover this plate



3. Place the CPU on the top of the pins

4. Lock this bar

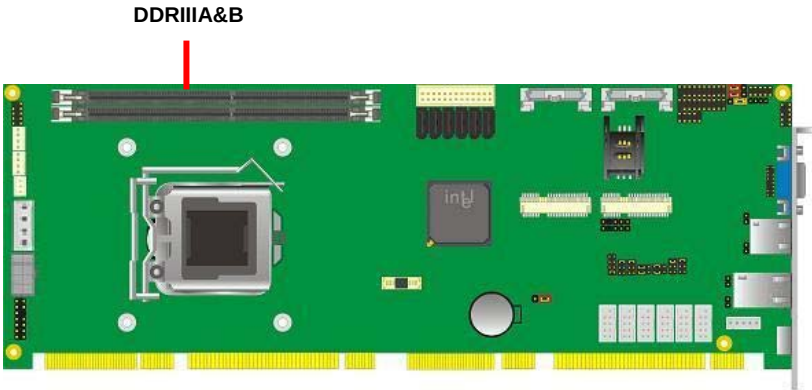
3. Cover this plate



Notice: Please place the CPU on the pins tenderly to avoid bending the pins

2.4.2 <Memory installation>

FS-A76 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.



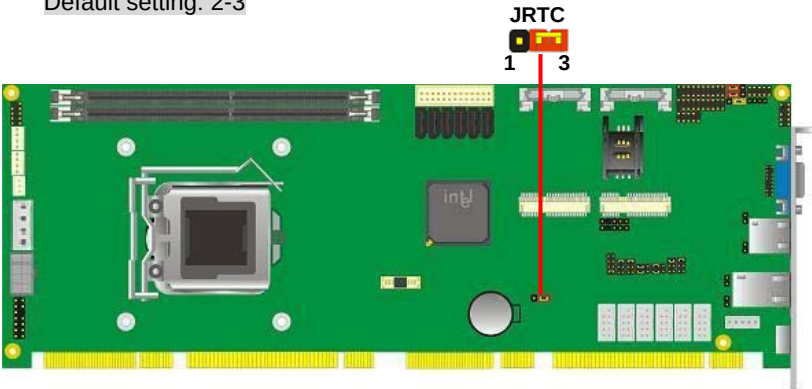
2.5 <CMOS Setup>

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: 2-3



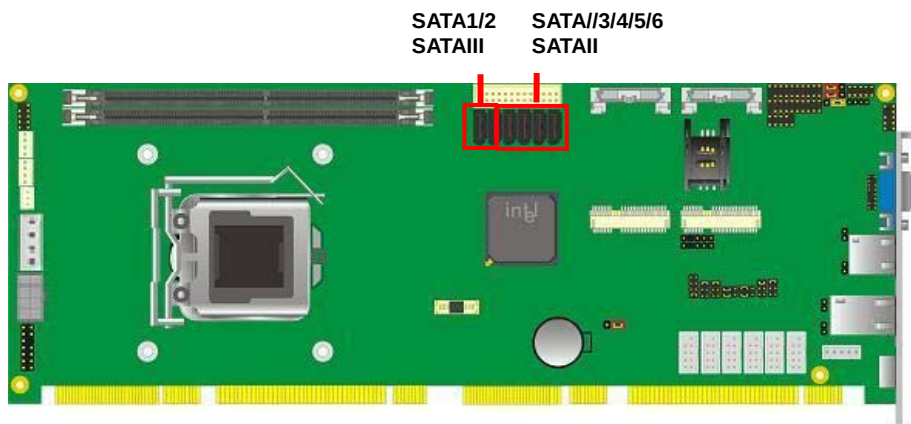
2.6 <Serial ATA Interface>

FS-A76 has Four 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® Q77 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.

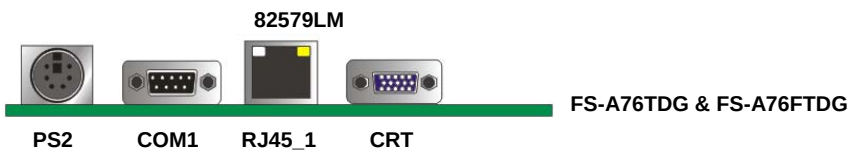
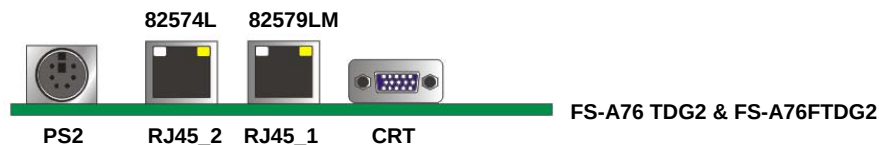
For more information please visit Intel's official website.

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



2.7 <Ethernet Interface>

The board integrates with one Intel 82574L Gigabit Ethernet & one Intel 82579LM controllers, 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 rear 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.

FS-A76TDG2 & FS-A76FTDG2



FS-A76TDG & FS-A76FTDG



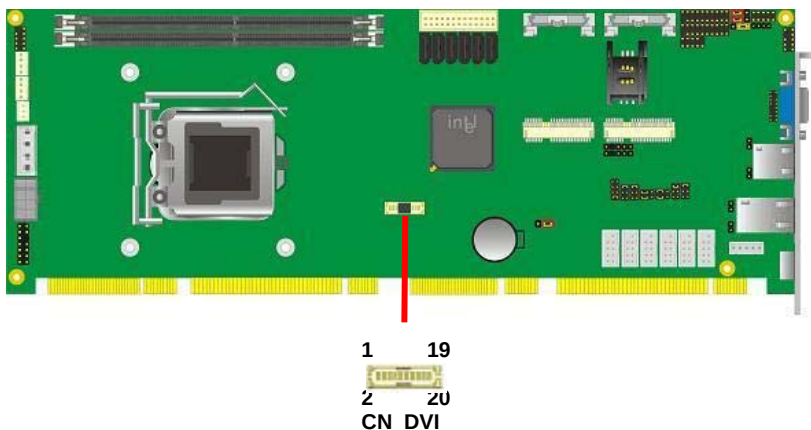
2.8.2 <DVI Display >

The board also comes with a DVI interface with Chronitel for digital video interface.

Connector: **CN_DVI**

Connector type: 20-pin header connector (pitch = 2.00mm)

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	DVI_SL
19	AUXN	20	AUXP



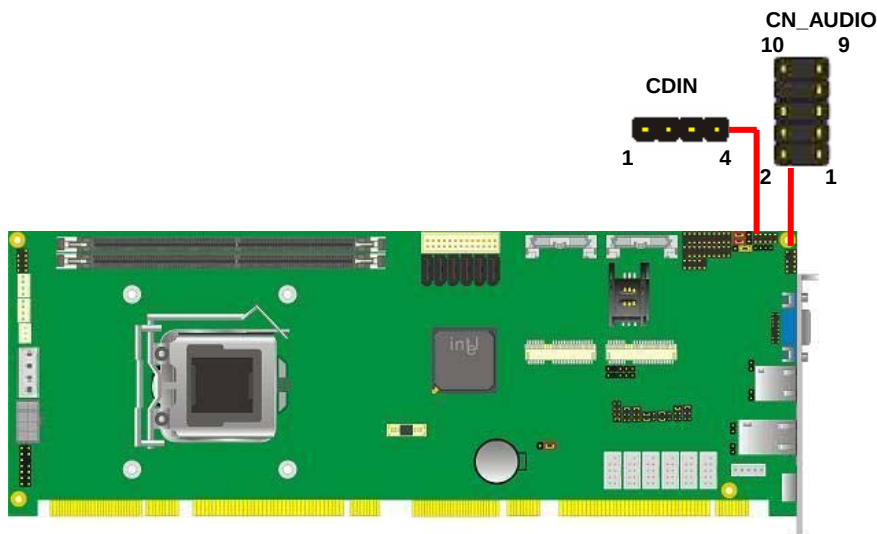
2.9 <Integrated Audio Interface>

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:

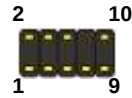
- **High-performance DACs with 100dB S/N ratio**
- **2 DAC channels support 16/20/24-bit PCM format for 2 audio solution**
- **16/20/24-bit S/PDIF-OUT supports 44.1K/48K/96kHz sample rate**
- **Compatible with HD**
- **Meets Microsoft WHQL/WLP 2.0 audio requirements**

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 x 5) header (pitch = 2.54mm)



Pin	Description	Pin	Description
1	MIC_L	2	Ground
3	MIC_R	4	N/C
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

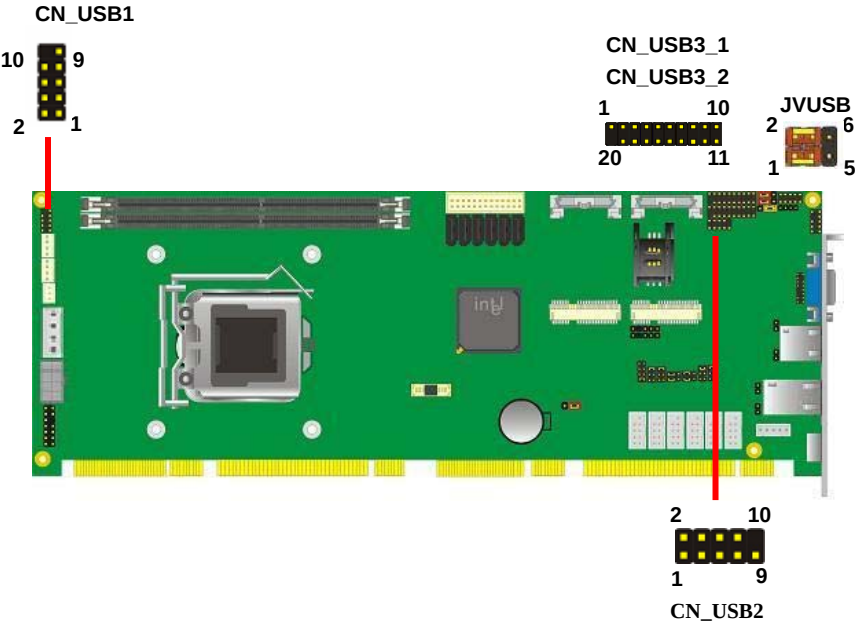
2.10 <USB Interface>

FS-A76 integrates eight USB2.0 ports. The specifications of USB2.0 are listed below:

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

AS-C76 integrates four USB3.0 ports. The specifications of USB3.0 are listed below:

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



Connector: **CN_USB1/2**

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

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

Connector: **CN_USB3_1/2**

Type: 20-pin (2 x 10) header (pitch = 2.0mm)

Pin	Description	Pin	Description
1	VCC (5V_SB/ 5V)	20	NC
2	USB3.0_RX0-	19	VCC (5V_SB/ 5V)
3	USB3.0_RX0+	18	USB3.0_RX1-
4	Ground	17	USB3.0_RX1+
5	USB3.0_TX0-	16	Ground
6	USB3.0_TX0+	15	USB3.0_TX1-
7	Ground	14	USB3.0_TX1+
8	Data0-	13	Ground
9	Data0+	12	Data1-
10	NC	11	Data1+

Jumper: **JVUSB**

Type: Onboard 6-pin jumper

JAT	Mode
4-6 & 3-5	+5V_SB
2-4 & 1-3	+5V

Default setting

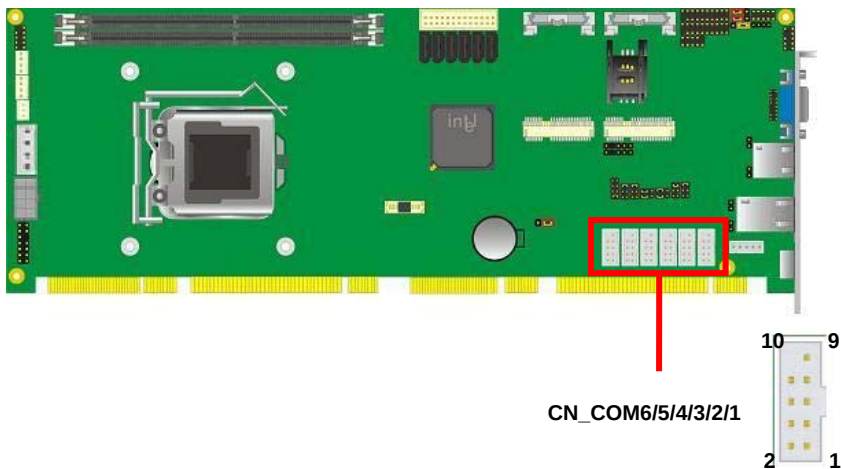
Effective patterns of connection: 1-3 & 2-4 or 3-5 & 4-6



Warning: others cause damages

2.11 <Serial Port>

The board supports five RS232 serial port and one jumper selectable RS232/422/485 serial ports. The jumper JCSEL1 & JCSEL2 can let you configure the communicating modes for COM2.



Connector: **CN_COM1/3/4/5/6**

Type: 9-Pin box header

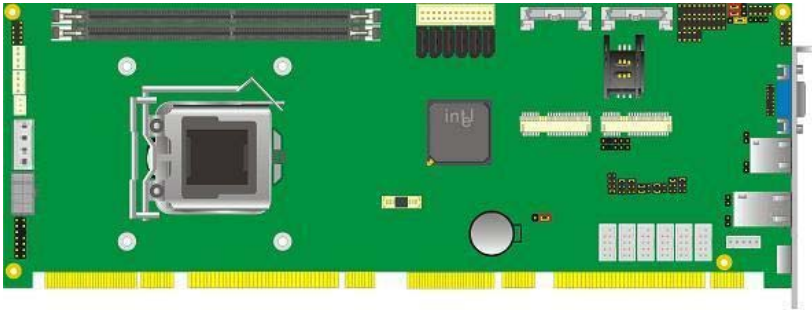
Pin	Description	Pin	Description
1	DCD	2	RXD
3	TXD	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI	10	N/C

Connector: **CN_COM2**

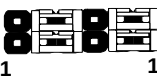
Type: 9-Pin box header

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 COM2



JCSEL2 JP4 JP3 JCSEL1 JP2 JP1

Function	JCSEL2	JCSEL1
IrDA		
RS-422		
RS-485		
RS-232		

Default setting:

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

Jumper: JP1/JP2/JP3/JP4 (COM1/2/3/4)

Type: onboard 6-pin header

Power Mode	JP1/2/3/4
Pin 9 with 5V Power	1-2
Pin 9 with 12V Power	3-4
Standard COM port	5-6
Default setting (5-6)	

2.12 <GPIO and SMBUS Interface>

The board provides a programmable 8-bit digital I/O interface; you can use this general purpose I/O port for system control like POS or KIOSK.

Connector: **CN_DIO**

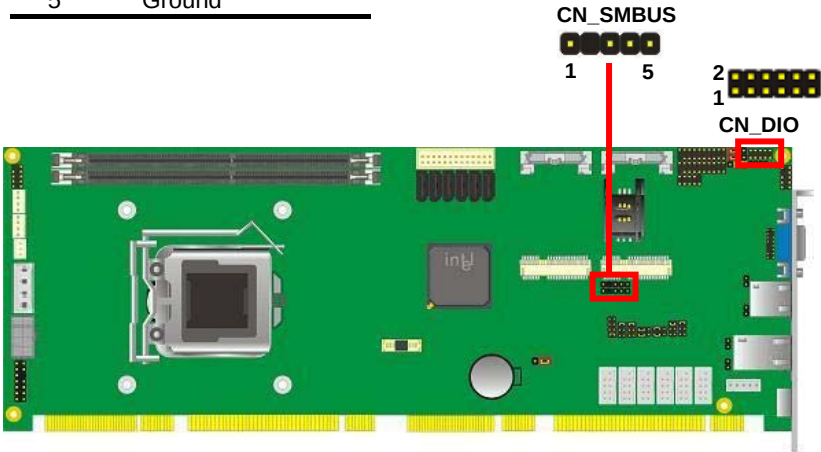
Type: 12-pin (6 x 2) header (pitch = 2.0mm)

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	5V	12	12V

Connector: **CN_SMBUS**

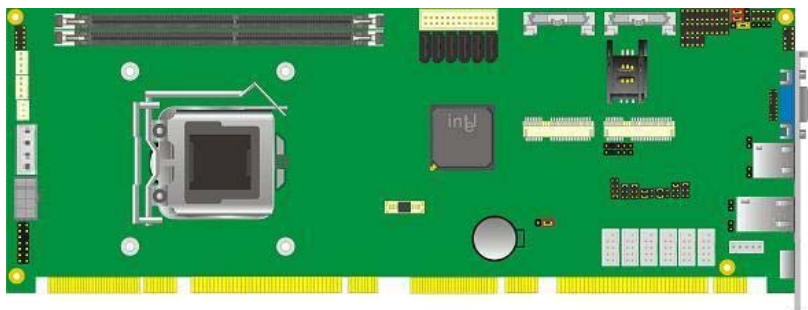
Type: 5-pin header for SMBUS Ports

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



2.13 <Power Supply and Fan Interface >

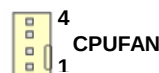
The **FS-A76** provides a standard ATX power supply with **4-pin** ATX connector and the board provides one **4-pin** fan connector supporting smart fan for CPU cooler and one 4-pin cooler fan connectors for system and Northbridge chip. please connect this well before you finishing the system setup.



Connector: **DC_IN**

Type: 4-pin DC power connector

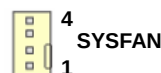
Pin	Description	Pin	Description
1	+12V	2	Ground
3	Ground	4	+5V



Connector: **CPUFAN**

Type: 4-pin fan wafer connector

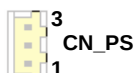
Pin	Description	Pin	Description
1	Ground	2	+12V
3	Fan Speed Detection	4	Fan Control



Connector: **SYSFAN**

Type: 3-pin fan wafer connector

Pin	Description	Pin	Description
1	Ground	2	+12V
3	Fan Speed Detection	4	Will be defined



Connector: **CN_PS**

Type: 3-pin connector

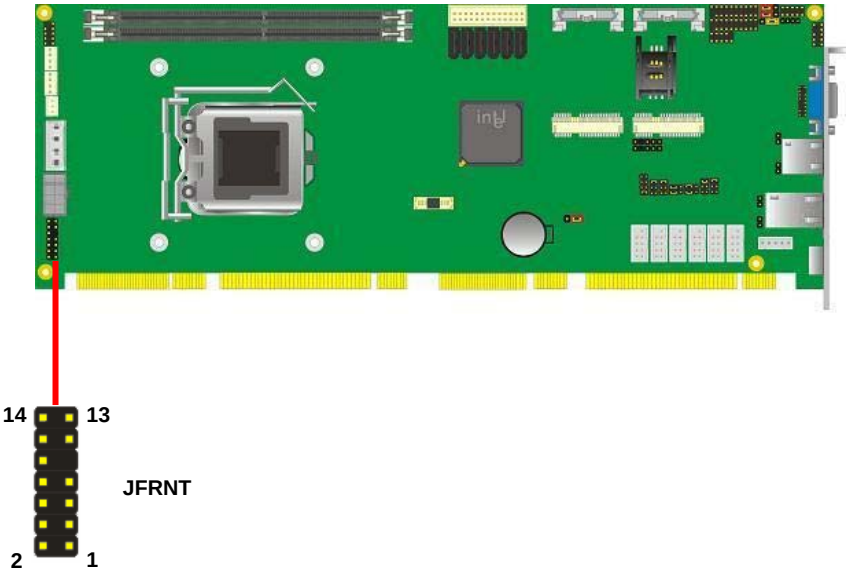
Pin	Description	Pin	Description	Pin	Description
1	5VSTBY	2	Ground	3	PSON

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	PWRLED+	Power LED
	HDLED-	3	4	N/C	
Reset	Reset+	5	6	PWRLED-	
	Reset-	7	8	SPK+	Speaker
N/C		9	10	N/C	
Power Button	PWRBT+	11	12	N/C	
	PWRBT-	13	14	SPK-	

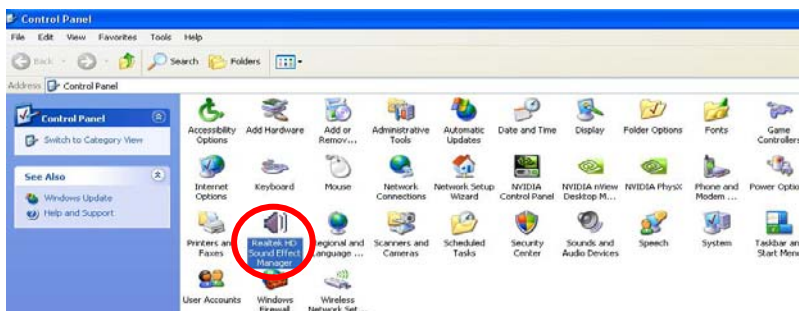


Chapter 3 <System Setup>

3.1 <Audio Configuration>

The board integrates Intel® Q77 with REALTEK® ALC888 code. 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. Launch the control panel and Sound Effect Manager.



3. Select Speaker Configuration

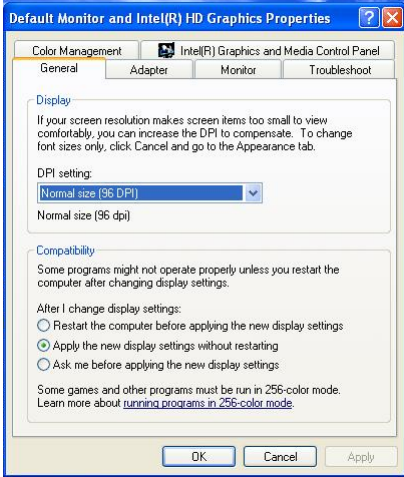


3.2 <Display Properties Setting>

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**



2. Click **Advanced** button for more specificity setup.



Click Graphics Properties... for advanced setup

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

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



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

Chapter 4 <BIOS Setup>

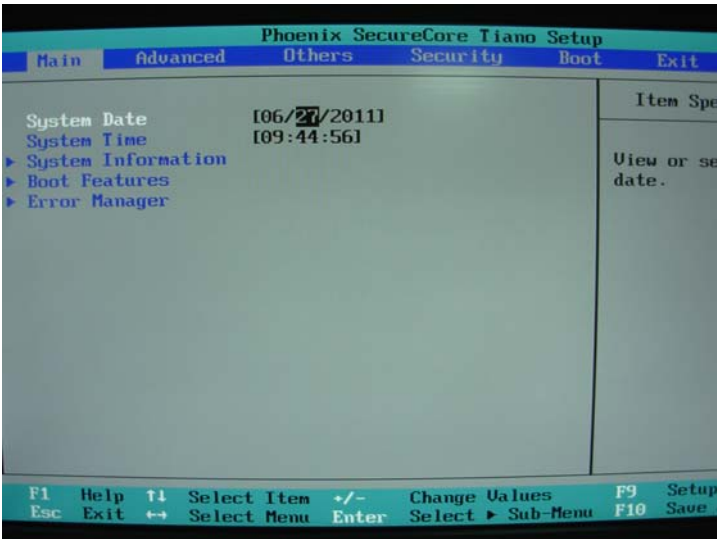
The motherboard uses the Phoenix BIOS for the system configuration. The Phoenix BIOS in the single board computer is a customized version of the industrial standard BIOS for IBM PC AT-compatible computers. It supports Intel x86 and compatible CPU architecture based processors and computers. The BIOS 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 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.

Figure 4-1 CMOS Setup Utility Main Screen



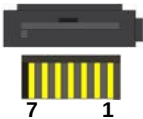
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Appendix A <I/O Port Pin Assignment>

A.1 <Serial ATA Port>

Connector: **SATA1/2/3/4/5/6**

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

JCSEL1 must jump to “SIR”

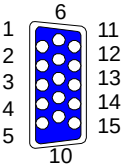
Pin	Description
1	VCC
2	N/C
3	IRRX
4	Ground
5	IRTX



A.3 <VGA Port>

Connector: **CRT**

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

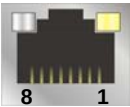


Pin	Description	Pin	Description	Pin	Description
1	RED	6	Ground	11	N/C
2	GREEN	7	Ground	12	DDCDA
3	BLUE	8	Ground	13	HSYNC
4	N/C	9	N/C	14	VSYNC
5	Ground	10	Ground	15	DDCCLK

A.4 <LAN Port>

Connector: **RJ45**

Type: RJ45 connector with LED on bracket



Pin	1	2	3	4	5	6	7	8
Description	MI0+	MI0-	MI1+	MI2+	MI2-	MI1-	MI3+	MI3-

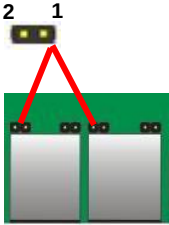
A.5 <LAN LED Port>

Connector: **JSPD1/2**

Type: 5-pin header for LAN Speed LED connector

When Lan speed 10/100Mbps

Pin	Description
1	LED-
2	LED+



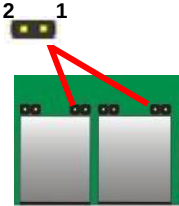
When Lan speed 1Gbps

Pin	Description
1	LED+
2	LED-

Connector: **JATC1/2**

Type: 5-pin header for LAN Activity LED connector

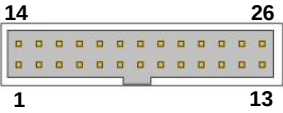
Pin	Description
1	LED-
2	LED+



A.6 <Parallel Port>

Connector: **LPT**

Type: 26-Pin box header

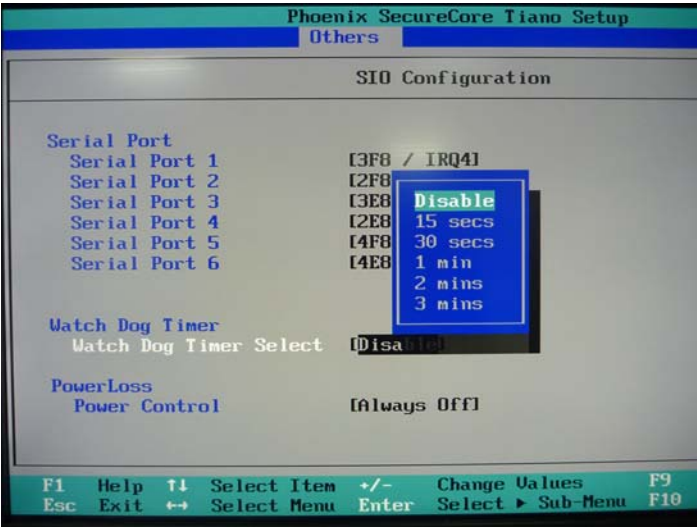


Pin	Description	Pin	Description
1	-PSTB	14	AFD-
2	PRO0	15	ERR-
3	PRO1	16	INT-
4	PRO2	17	SLIN-
5	PRO3	18	Ground
6	PRO4	19	Ground
7	PRO5	20	Ground
8	PRO6	21	Ground
9	PRO7	22	Ground
10	ACK-	23	Ground
11	BUSY	24	Ground
12	PE	25	Ground
13	SLCT	26	N/C

Appendix C <Programming Watchdog Timer >

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	

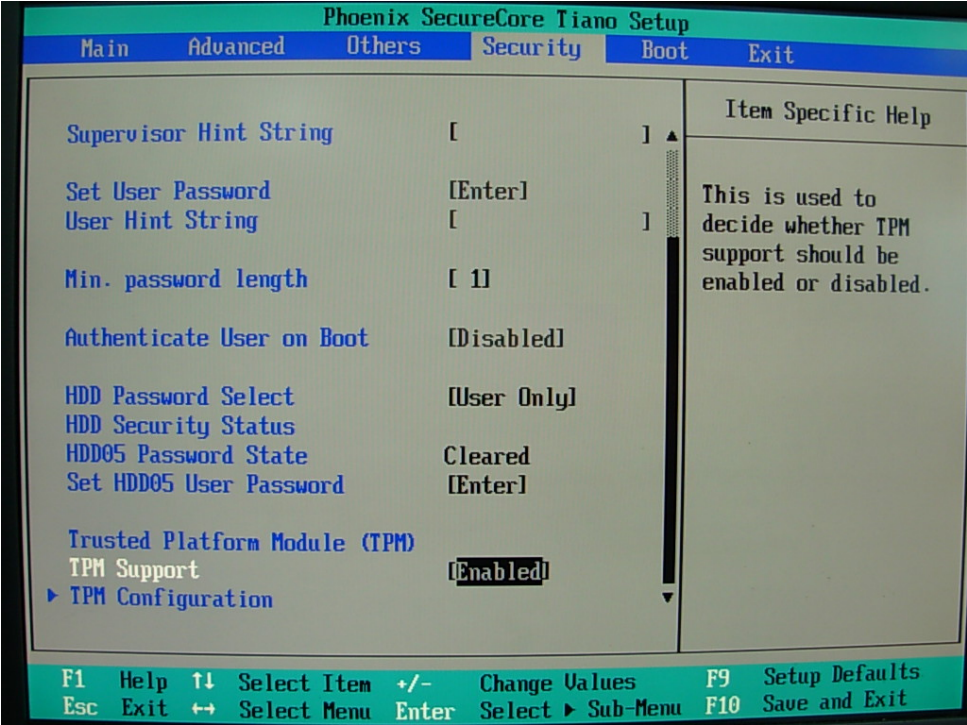
* Minute: bit 3 = 0; Second: bit 3 = 1

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

Appendix D <TPM Setup>

For further instruction about the Trusted Platform Module (TPM) function, please refer to the Commell_tmp_acronym_glossary_v010.pdf.

Figure 4-1 TPM Setup Utility Main Screen



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.

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