

**YH-945A6**

**YAYKON<sup>®</sup>**

**Motherboard**

# Table of Contents

<i>Copyright</i> .....	1
<i>Trademarks</i> .....	1
<i>Chapter 1 -Introduction</i> .....	2
1.1Motherboard Layout.....	2
1.2Motherboard Specification.....	4
1.3 Package Contents.....	6
<i>Chapter 2 - Hardware Installation</i> .....	7
2.1 Jumper Settings.....	7
2.2 Pin & Interface Definition.....	8
<i>Appendix</i> .....	10
1. Warranty.....	10
2. Contact.....	10

# Copyright

This publication contains information that is protected by copyright. No part of it

may be reproduced in any form or by any means or used to make any transfor

mation /adaptation without the prior written permission from the copyright holders.

This publication is provided for informational purposes only. The manufacturer

makes no representations or warranties with respect to the contents or use of this manual and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. The user will assume the

entire risk of the use or the results of the use of this document. Further, the manufacturer reserves the right to revise this publication and make changes to

its contents at any time, without obligation to notify any person or entity of such

revisions or changes.

Changes after the publication's first release will be based on the product's revi-

sion. The website will always provide the most updated information.

© 2016. All Rights Reserved.

# Trademarks

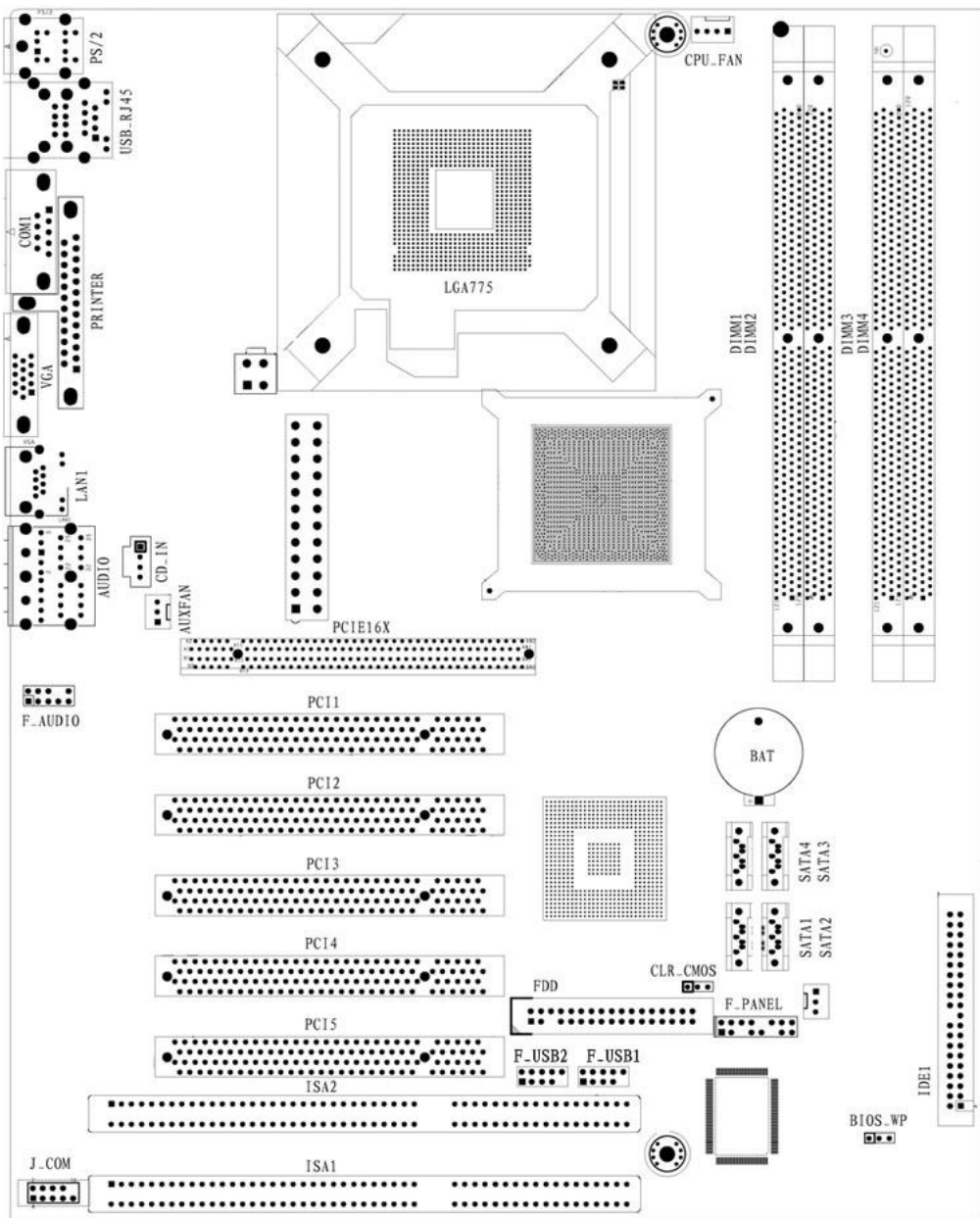
All trademarks and registered trademarks of products appearing in this manual

are the properties of their respective holders.

# ***Chapter 1 - Introduction***

YH-945 A6 is an industrial grade mainboard, which consist of Intel ® 945 +82801GB chipset. It supports LGA775 socket for Intel ® Core ® 2 Duo ® / Pentium ® D / Pentium ® 4 / Celeron ® D. It supports 2 x DDR2 400 / 533 / 667 / 800 ( Max to 4Gb). The motherboard is built-in Intel ® GMA950 graphic card. 1 x PATA 40PIN IDE port & 4 x ISA2 ports are available. 7.1 HD Audio chipset, 2 x Gigabit Lan are embedded. The expansion slot provides 5 x PCI & 2 x ISA. The motherboard supports 6 x USB2.0, 2 x RS232 ports.

## **1.1 Motherboard Layout**



## 1.2 Motherboard specification

GENERAL DATA	
Type	Mainboard
Series	YH-945A6
Storage	No
CPU	
CPU type	support Intel Core2 Duo/Pentium D/Pentium 4/Celeron D
CPU socket	LGA775 socket
Embedded	No
Chipset	Intel 945G + ICH7
MEMORY/ RAM	
Socket type	2 x DIIMM
Storage type	DDR2
ECC	No
Frequency	400 / 533 / 667 / 800MHz
Capacity	2 GB / 4 GB (Max)
STORAGE	
SATA 2.0	4
IDE	1 x IDE ( 40 pin) ; support ATA-100, data transfer rate up to 100MB/sec
FDD	1
Graphics	
Graphic chipset	Intel GMA 950
Graphic memory	Shared
DVI-I	No
HDMI	No

VGA	Yes
LVDS	No
Amount simultaneous displays	1
<b>I / O INTERFACES</b>	
COM	1
LPT	1
USB 2.0	6 ( 4 pcs pin)
VGA	1
S/2 mouse & keyboard	1
RJ45	2
<b>ETHERNET</b>	
Connector TX	RJ45
10 / 100 / 1000 BaseTX ports	2
<b>POWER SUPPLY</b>	
Power supply	ATX
<b>Expansion slots</b>	
PCI Slot	5
ISA Slot	2
PCIE 16X	1
<b>PHYSICAL CHARACTERISTIC</b>	
Dimensions	305 x 244 mm
Weight	350 g
<b>ENVIRONMENTAL</b>	
Operating temperature range	0 + 50 °C
Storage temperature range	-10 + 60 °C

Humidity	95%
<b>Others</b>	
System BIOS	Award BIOS with 4MB Firmware Hub
	ACPI/PnP supported
	Software WatchDog supported

### 1.3 Package Contents

Check your motherboard package for the following items.

Motherboard	YAYKON ®YH-945A6
Cable	1 x Serial ATA cable
Accessories	1 x I/O Shield
Application DVD	Support DVD



# Chapter 2 - Hardware Installation


**Pls note:** Pls take close look at mainboard, as long as there marks "1", white arrows or the square pins are all the location of pin1.

## 2.1 Jumper Settings

**CLR\_CMOS:** clear CMOS

**1\*3 HEADER**


1-2	(defaulted)
2-3	Clear CMOS



**BIOS\_WP**

**1\*3 HEADER**

1-2	Enable BIOS WP
2-3	Disable BIOS WP (when you update BIOS, should choose No. 2 & No.3 pin)

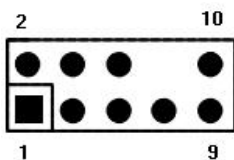


## 2. 2 Pin & Interface Definition

### F\_AUDIO:

### 2\*5 HEADER

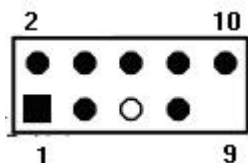
Pin out	Function	Pin out	Function
1	MIC+	2	Ground
3	Vbias	4	AVCC
5	L_R_Out	6	MIC_JD
7	SENSE	8	KEY
9	L_L_Out	10	LINE_JD



### F\_USB1/ F\_USB2:

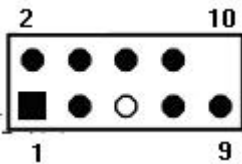
### 2\*5 HEADER

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

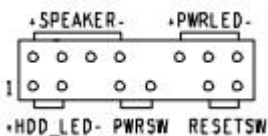


**J\_COM: RS232 port****2\*5 HEADER**

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

**F\_PANEL:****2\*5 HEADER**

Pin out	Signal	Pin out	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-



# ***Appendix***

## ***1. Warranty***

1. Warranty does not cover damages or failures that arised from misuse of the product, inability to use the product, unauthorized replacement or alteration of components and product specifications.
2. The warranty is void if the product has been subjected to physical abuse, improper installation, modification, accidents or unauthorized repair of the product.
3. Unless otherwise instructed in this user’s manual, the user may not, under any circumstances, attempt to perform service, adjustments or repairs on the product, whether in or out of warranty. It must be returned to the purchase point, factory or authorized service agency for all such work.
4. We will not be liable for any indirect, special, incidental or consequential damages to the product that has been modified or altered.

## **2. Contact:**

***Shenzhen Yanhong Technology Company Limited***

**Email:** [info@yanhongipc.com](mailto:info@yanhongipc.com)

**Whatsapp:** +86 18126376618      **Skype:** elva9101

**Website:** [www.yanhongipc.com](http://www.yanhongipc.com)

ADD.: RM 301, Bldg. 11, Hengling 4th Qu, Minxin Community, Minzhi St. LongHua Dist. Shenzhen, Guangdong Prov. China