

C O N T E N T

CHAPTER 1	8
INTRODUCTION	8
1- 1 MAINBOARD SPECIFICATION	9
1-1-1 CPU	9
1-1-2 CHIPSET	9
1-1-3 HIGH PERFORMANCE DRAM CONTROLLER	9
1-1-4 ACCELERATED GRAPHICS PORT (AGP)	9
1-1-5 MULTI-I/O FUNCTION	10
1-1-6 EXPANSION SLOTS	10
1-1-7 AWARD BIOS V6.0, SUPPORTING	10
1-1-8 SOUND CONTROLLER	10
1-1-9 POWER MANAGEMENT	11
1-1-10 FORM FACTOR	11
1-1-11 HARDWARE MONITORING	11
1-2 MOTHERBOARD LAYOUT --- 65KV2-CT	12
1-3 CHIPSET SYSTEM BLOCK DIAGRAM	13
CHAPTER 2	15
HARDWARE SETUP	15
2- 1 CPU INSTALLATION	16
2- 2 MEMORY INSTALLATION	17
2- 3 HDD/FDD INSTALLATION	18
2-4 CPU BUS RATIO SELECT (BY SW1 DIP1~DIP4)	20
2-4-1 FSB FREQUENCY SELECT (BY SW1 DIP5~DIP8)	21
2- 5 JUMPER SETTING FOR DEVICES ON BOARD:	22
2-5-1 JUMPER JBAT1 FOR CLEARING CMOS DATA:	22
2-5-2 USB2 HEADER SELECT-1 (BY JP3/JP4)	23
2-5-3 USB 1 SELECT-2 (BY JP6/JP7)	24
2-5-4 POWER LOST RESUME (BY JP8)	24
2-5-5 FACTORY TEST (BY JP14)	25

2-6 CONNECTORS CONFIGURATIONS	26
2-6-1 ONBOARD FAN CONNECTOR (FAN1/FAN2)	26
2-6-3 WAKE ON LAN (JWOL1)	27
2-6-2 CD-ROM AUDIO CONNECTOR (CD_IN1/CD_IN2)	27
2-6-4 THERMAL SENSOR CONNECTOR (RT2)	28
2-6-5 COMPLEX HEADER J2&J3	29
2-6-6 CHASSIS PANEL CONNECTOR	30
2-6-7 ATX POWER SUPPLY CONNECTOR	31
2-6-8 PS/2 MOUSE AND PS/2 KEYBOARD	31
2-6-9 SECOND USB HEADER (USB2)	32
2-6-10 IRQS DESCRIPTION FOR VARIOUS DEVICES	33
CHAPTER 3	35
SOFTWARE SETUP	35
3-1 VIA CHIPSET DRIVER INSTALLATION (4-IN-1 DRIVER)	36
3-2 AC97 AUDIO CODEC DRIVER INSTALLATION	39
3-3 HARDWARE MONITOR DRIVER INSTALLATION	40
CHAPTER 4	42
BIOS SETUP	42
4-1 WHAT IS BIOS SETUP	43
4-2 HOW TO RUN BIOS SETUP	43
4-3 WHAT IS CMOS	43
4-4 WHAT IS POST	43
4-5 BIOS UPGRADE	43
4-5-1 BEFORE UPGRADING BIOS	44
4-5-2 UPGRADE PROCESS	44
4-6 BIOS SETUP-- CMOS SETUP UTILITY	48
4-6-1 STANDARD CMOS SETUP	49
4-6-2 ADVANCED BIOS FEATURES	52
4-6-3 ADVANCED CHIPSET FEATURES	57
4-6-4 INTEGRATED PERIPHERALS	63
4-6-5 POWER MANAGEMENT SETUP	67
4-6-6 PNP / PCI CONFIGURATION	74

4-6-7 PC HEALTH STATUS 77

4-6-8 FREQUENCY/VOLTAGE CONTROL 78

4-6-9 LOAD OPTIMIZED DEFAULTS 80

4-6-10 SET SUPERVISOR / USER PASSWORD 81

4-6-11 SAVE & EXIT SETUP 82

4-6-12 EXIT WITHOUT SAVING 82

APPENDICES 83

APPENDIX-1 TECHNICAL TERMS INTRODUCTION 84

APPENDIX-2 IDENTIFYING BIOS VERSION AND BIOS PART NUMBER 85

APPENDIX-3 IDENTIFYING MAINBOARD / MODEL 87

NUMBER 87

ITEM LIST CHECKUP

- Mainboard
- Support CD
- User's Manual
- Bundled Bonus Pack CD
- Bundled Bonus Pack Manual
- Temperature Sensor Cable (optional)
- ATA66/100 IDE Cable
- RS232 Cable
- FDD Cable