

Contents

Chapter 1 Specification	9
1-1 SL-85LIR / 85LIR-L Components Locations	10
1-2 Mainboard Specifications	11
1-2.1 CPU Socket	11
1-2.2 System Chipsets	11
1-2.3 Memory	11
1-2.4 AMI BIOS	11
1-2.5 Integrated VGA Interface Supported by VGA Connector ...	11
1-2.6 Advanced System Power Management:	12
1-2.7 Multi-I/O Functions :	12
1-2.8 Expansion Slots	12
1-2.9 LAN (Local Area Network) on board (85LIR-L only)	13
1-2.10 Hardware Monitor on board	13
1-2.11 AC'97 Audio Codec on board	13
1-2.12 AGP Slot for Digital Video Out (DVO)	13
1-2.13 Form Factor	13
1-3 Mainboard Specification Table	14
1-4 Chipset System Block Diagram	15
Chapter 2 Hardware Setup	16
2-1 Pentium 4 CPU and Installation	17
2-1.1 To Identify a Pentium 4 CPU	17
2-1.2 CPU Installation with Socket 478B	18
2-2 Pentium 4 CPU Fan Installation	19
2-3 Memory Installation	20
2-3.1 To Install DDR SDRAM Module	20
2-3.2 To Remove a DIMM	21
2-4 Install VGA / DVO Display	22

2-5 IDE Connector Installation	23
2-6 Flopy Drive Connector (FDC) Installation	24
2-7 ATX V 2.03 Power Supply Installation	25
2-8 Jumper Settings	26
2-8.1 JBAT1: Clear CMOS	27
2-8.2 Jp8: CPU Clock/Overclock Select	28
2-8.3 Jp3: K/B or Power Button Select	29
2-8.4 JDIMM1 & JDIMM2: DIMM Voltage Select	29
2-9 Other Connectors Configuration	30
2-9.1 On Board FAN Connectors	30
2-9.2 Connector AUX1	31
2-9.3 CD-ROM Audio Connectors (CD 1)	31
2-9.4 Chassis Panel Connectors	32
2-9.5 LAN Connector Rj45 (85LIR-L only)	32
2-9.6 Thermal Sensor Connectors RT2 and Jp11	33
2-9.7 Complex Header	34
2-9.8 USB Ports and USB Headers (Header USB2 & USB3)	36
2-9.9 PS/2 Mouse And PS/2 Keyboard	36
2-9.10 Connector WOL1: Wake On LAN	37
2-9.11 Pin-header COM 2: for one serial port	37
2-10 IRQ Description	38
Chapter 3 Software Setup	40
3-1 Open up the Support CD	41
3-2 Install “Intel Chipset Software Installation Utility”	42
3-3 Install “Intel Application Accelerator”	43
3-4 DirectX Installation	45
3-5 Graphics Driver Installation	46
3-6 AC'97 Audio Driver Installation	47
3-7 Install Hardware Monitor Utility	48

3-7.1 Installation	48
3-7.2 Verification	49
3-8 Install LAN Drivers (for 85LIR-L only)	50
3-8-1. RTL8139C LAN driver on Windows 9X	50
3-8-2. RTL8139C LAN driver on Windows NT4.0	52
3-8-3. RTL8139C LAN driver on Win ME / 2000 / XP	53
3-9 Install USB 2.0 Driver for Win2000 or WinXP	54
Chapter 4 AMI BIOS Setup	56
4-1 About BIOS Setup	57
4-2 To Run BIOS Setup	57
4-3 About CMOS	57
4-4 The POST (Power On Self Test)	57
4-5 To Update BIOS	58
4-5.1 Before Updating BIOS	58
4-5.2 Update Process	58
4-6 BIOS SETUP --- CMOS Setup Utility	60
4-6.1 CMOS Setup Utility	60
4-6.2 Standard CMOS Setup	61
4-6.3 Advanced BIOS Features	64
4-6.4 Advanced Chipset Features	67
4-6.5 Power Management Features	70
4-6.6 PNP / PCI Configurations	73
4-6.7 Integrated Peripherals	75
4-6.8 Hardware Monitor Status	78
4-6.9 Frequency/Voltage Control	80
4-6.10 Set Supervisor Password	82
4-6.11 Load Optimized Defaults	84
4-6.12 Save & Exit Setup	84
4-6.13 Exit Without Saving	84

APPENDICES	86
Appendix-1 Identify Mainboard Model Number	87
Appendix-2 Technical Terms	88