

## Contents

---

|   |               |
|---|---------------|
| <b>Chapter 1: Introduction .....</b>                                    | <b>1</b>      |
| Welcome .....   | 1             |
| About the Manual .....  | 2             |
| Checklist.....  | 3             |
| Standard Items .....  | 3             |
| Recommendations.....  | 3             |
| Features .....  | 4             |
| <br><b>Chapter 2: Installation .....</b>                                | <br><b>8</b>  |
| Quick Installation Table.....   | 8             |
| Quick Jumper Setting Reference .....                                    | 9             |
| Before You Begin .....  | 10            |
| Static Electricity .....  | 10            |
| Choosing a Case .....   | 10            |
| How to Set Jumpers .....  | 11            |
| Preparing the Mainboard .....   | 12            |
| Mainboard Guide .....   | 12            |
| I/O Ports Side View .....   | 14            |
| Check the Jumper Settings .....   | 15            |
| Install the Mainboard in the Case .....                                 | 17            |
| Connecting Power, Chassis Fans, Panel,<br>and Auxiliary USB Ports ..... | 19            |
| Install Other Hardware .....  | 21            |
| Install the Processor .....   | 21            |
| Installing a Slot1 Processor .....                                      | 22            |
| Installing a Socket-370 Processor .....                                 | 24            |
| Install the Memory Modules .....  | 26            |
| Install a Hard Disk Drive and CD-ROM .....                              | 27            |
| Installing a Floppy Diskette Drive .....                                | 30            |
| Using the Expansion Slots .....   | 31            |
| Add-in Card Options .....   | 33            |
| Install Options and Extension Brackets .....                            | 34            |
| Make the External Connections .....                                     | 38            |
| External Connector Color Coding .....                                   | 39            |
| <br><b>Chapter 3: Setup .....</b>                                       | <br><b>40</b> |
| About the Setup Utility .....   | 40            |
| Starting the Setup Utility .....  | 40            |
| How to Flash a New BIOS .....   | 42            |

|   |           |
|---|-----------|
| Standard CMOS Features Option .....                         | 43        |
| Advanced BIOS Features Setup Option .....                   | 45        |
| Advanced Chipset Features Option.....                       | 47        |
| Integrated Peripherals Option .....                         | 49        |
| Power Management Setup Option .....                         | 52        |
| PNP/PCI Configuration Option.....                           | 55        |
| PCI Health Status Option.....                               | 56        |
| Frequency / Voltage Control Option .....                    | 57        |
| Load Fail-Safe Defaults Option .....                        | 58        |
| Load Optimized Defaults Option .....                        | 58        |
| Set Supervisor and User Passwords .....                     | 58        |
| Save And Exit Setup Option.....                             | 59        |
| Exit Without Saving Option .....                            | 59        |
| <br><b>Chapter 4: Software.....</b>                         | <b>60</b> |
| About the Software .....                                    | 60        |
| Folders for this Mainboard .....                            | 60        |
| Running the Support CD-ROM .....                            | 62        |
| Utility Folder Installation Notes.....                      | 62        |
| CMI8X38 Folder Installation Notes.....                      | 63        |
| Audio Software.....   | 63        |
| Modem Driver and Software.....                              | 64        |
| Intel Folder Installation Notes.....                        | 64        |
| Mainboard (P6IWT-A+) Installation Notes .....               | 65        |
| <br><b>Appendix 1: Quick Jumper Setting Reference .....</b> | <b>66</b> |
| <br><b>Appendix 2: Award BIOS POST Code Reference....</b>   | <b>68</b> |