
Diagnostics

Z-200 PC Series

ZENITH | data
systems



Contents

| | |
|--------------------------------------|-------------------------------|
| Chapter 1 | Introduction |
| Goals | 1.1 |
| Hardware Requirements | 1.2 |
| Features | 1.3 |
| ROM-Based Diagnostic Features | 1.3 |
| Disk-Based Diagnostic Features | 1.3 |
| Error Messages | 1.5 |
| Visual Checks | 1.5 |
| Diagnostic Approach | 1.7 |
| | |
| Chapter 2 | ROM-Based Diagnostics |
| Power-Up Checks | 2.1 |
| Error Messages | 2.2 |
| User-Selected Tests | 2.5 |
| | |
| Chapter 3 | Disk-Based Diagnostics |
| Fast Test | 3.2 |
| Diagnostic Test Menu | 3.4 |
| Diagnostic Test Displays | 3.6 |
| Diagnostic Section Menu | 3.6 |
| Running Display | 3.7 |
| Pause/Continue Test | 3.8 |
| Aborting a Test | 3.8 |
| Test Complete Indications | 3.8 |
| Error Indications | 3.9 |
| Miscellaneous (MISC) Functions | 3.10 |
| Action at an Error | 3.11 |
| FINISH | 3.12 |
| Date and Time Functions | 3.13 |
| Configuration | 3.13 |
| CONFIGUR TEST | 3.14 |
| Add/Delete Test | 3.14 |
| Changing the Testing Sequence | 3.14 |
| CONFIGUR MONITOR | 3.14 |
| Test Configuration | 3.16 |
| Saving the Configuration | 3.17 |
| Return to System | 3.18 |

Contents

| Chapter 4 | Individual Tests |
|--|-------------------------|
| CPU Diagnostic | 4.1 |
| Configuration | 4.1 |
| RAM Diagnostic | 4.2 |
| Input/Output Port Diagnostics | 4.3 |
| Configuration | 4.3 |
| CGA Video Diagnostic | 4.3 |
| Configuration | 4.4 |
| EGA Video Diagnostic | 4.4 |
| Configuration | 4.4 |
| ZDS Video Diagnostic | 4.5 |
| Configuration | 4.5 |
| Z-329 Video Diagnostic | 4.6 |
| Keyboard Diagnostic | 4.6 |
| Floppy Diagnostic | 4.6 |
| Configuration | 4.7 |
| Alignment Test | 4.9 |
| Winchester Diagnostic | 4.12 |
| Configuration | 4.12 |
| Error Code | 4.14 |
| Error Display | 4.15 |
| Z-304 Diagnostic | 4.16 |
| Configuration | 4.16 |
| SummaSketch Graphics Tablet Diagnostic | 4.16 |
| Configuration | 4.17 |
| Tape Backup System Diagnostic | 4.17 |
| Configuration | 4.18 |

Figures

| | | |
|------|--|------|
| 3.1 | Diagnostic Monitor Herald | 3.1 |
| 3.2 | Fast/Normal Test Menu | 3.2 |
| 3.3 | Fast Test Display | 3.3 |
| 3.4 | Diagnostic Test Menu | 3.4 |
| 3.5 | Diagnostic Section Menu | 3.6 |
| 3.6 | Diagnostic Running Display | 3.7 |
| 3.7 | Test Completion Display | 3.8 |
| 3.8 | Error Indication Display | 3.9 |
| 3.9 | Miscellaneous Function Menu Display | 3.10 |
| 3.10 | Error Action Menu | 3.11 |
| 3.11 | Finish Criteria Menu | 3.12 |
| 3.12 | Configuration Display | 3.13 |
| 3.13 | Diagnostic Monitor Configuration Display | 3.14 |
| 3.14 | Configuration Exit Display | 3.17 |

Tables

| | | |
|-----|--|------|
| 2.1 | Possible Power-Up Diagnostic Messages and Explanations | 2.2 |
| 4.1 | Format Coverage | 4.7 |
| 4.2 | Error Code Table | 4.14 |
| 4.3 | Tape Backup System Errors Checked | 4.18 |
