

AccessionIndex: TCD-SCSS-T.20241031.006

Accession Date: 31-Oct-2024

Accession By: Charles Mollan

Object name: Compaq SLT 386s/20

Vintage: 1990

Synopsis: Second generation of Compaq's first laptop series, with external storage module and documentation. Model: 2680A, S/N: 6051HAP40534.

**Description:**

Compaq was founded in 1982 by three Texas Instruments staff to manufacture IBM-compatible personal computers. It eventually became the dominant supplier of PCs during the 1990s.

Compaq introduced their SLT series laptops in 1988, notable for their superior (min.3-hours) battery life. The second generation, the *SLT 386s/20*, was released in 1990, providing a CPU that was twice as fast (a 20MHz Intel 386SX) with virtual memory support, an optional 20MHz 387SX floating-point coprocessor, a 4kB four-way set associative cache, at least four times more DRAM memory (2-14MB), a high-performance 16-bit VGA graphics controller and 640 x 480 10" backlit LCD display with eight shades of gray, a 3½" 1.44MB floppy disk drive, at least three times greater IDE hard disk capacity (60-120MB), parallel and serial interfaces, and Microsoft's MSDOS operating system. It weighed 6.3kg and measured 10.5 x 35 x 21.5cm, so it was substantially heavier and bulkier than later laptops. Options included a desktop expansion base, a CDROM, and a 2400baud modem. In general these machines were considered the high-end laptops of the era.

This item includes extensive documentation for the SLT 386s/20 itself, as well as documentation of the IBM version of Microsoft's MSDOS and IBM's Writing Assistant software.

Compaq (in hindsight too ambitiously) acquired Digital Equipment Corporation (DEC) in 1998, struggled with the aftermath of the merger, and as a consequence only four years later (in 2002) was itself acquired by Hewlett-Packard.

Many thanks to Charles Mollan for donating this item and its associated documentation.

The homepage for this catalog is at: <https://www.scss.tcd.ie/SCSSTreasuresCatalog/>  
Click '*Accession Index*' (1st column listed) for related folder, or '*About*' for further guidance.  
Some of the items below may be more properly part of other categories of this catalog,  
but are listed here for convenience.

Accession Index	Object with Identification
<a href="#">TCD-SCSS-T.20241031.006</a>	Compaq SLT 386s/20. Second generation of Compaq's first laptop series, with external storage module and documentation. Model: 2680A, S/N: 6051HAP40534. 1990.
<a href="#">TCD-SCSS-T.20241031.006.01</a>	Compaq SLT 386s/20. Model: 2680A, S/N: 6051HAP40534. 1990.
<a href="#">TCD-SCSS-T.20241031.006.02</a>	Compaq SLT 386s/20 AC Adapter. Model: 2687, S/N: 6051HAY10356. 1990.
<a href="#">TCD-SCSS-T.20241031.006.03</a>	Compaq SLT 386s/20 carrying case.
<a href="#">TCD-SCSS-T.20241031.006.04</a>	Compaq SLT 386s/20 cables.
<a href="#">TCD-SCSS-T.20241031.006.05</a>	Compaq Diagnostics Floppy Disk. Version 7.08. 1990.
<a href="#">TCD-SCSS-T.20241031.006.06</a>	Compaq External Storage Module. Model: 2685, S/N: 1933MX1H0160. 1990.
<a href="#">TCD-SCSS-T.20241031.006.07</a>	Compaq SLT 386s/20 Operations Guide ring-binder folder.
<a href="#">TCD-SCSS-T.20241031.006.08</a>	Compaq SLT 386s/20 Getting Started.
<a href="#">TCD-SCSS-T.20241031.006.09</a>	Compaq SLT 386s/20 System Overview.
<a href="#">TCD-SCSS-T.20241031.006.10</a>	Compaq SLT 386s/20 User Programs Reference.
<a href="#">TCD-SCSS-T.20241031.006.11</a>	IBM Writing Assistant Version 2.00
<a href="#">TCD-SCSS-T.20241031.006.12</a>	IBM DOS 3.20.
<a href="#">TCD-SCSS-T.20181005.003</a>	Compaq iPAQ Pocket PC. Compaq pocket PC and PDA, S/N: ???, 2000.

## References:

1. Wikipedia, *Compaq*, see:  
<https://en.wikipedia.org/wiki/Compaq>  
Last browsed to on 31-Oct-2024.
2. Wikipedia, *Compaq SLT*, see:  
[https://en.wikipedia.org/wiki/Compaq\\_SLT](https://en.wikipedia.org/wiki/Compaq_SLT)  
Last browsed to on 31-Oct-2024.





*Figure 1: Compaq SLT 386s/20, carrying bag.*



*Figure 2: Compaq SLT 386s/20, carrying bag, showing side cable pocket..*





*Figure 3: Compaq SLT 386s/20 inside opened carrying bag.*



*Figure 4: Compaq SLT 386s/20, front view, and closeup of logo.*





*Figure 5: Compaq SLT 386s/20, front closeup view.*



*Figure 6: Compaq SLT 386s/20, right side closeup view.*



*Figure 7: Compaq SLT 386s/20, left side closeup view.*



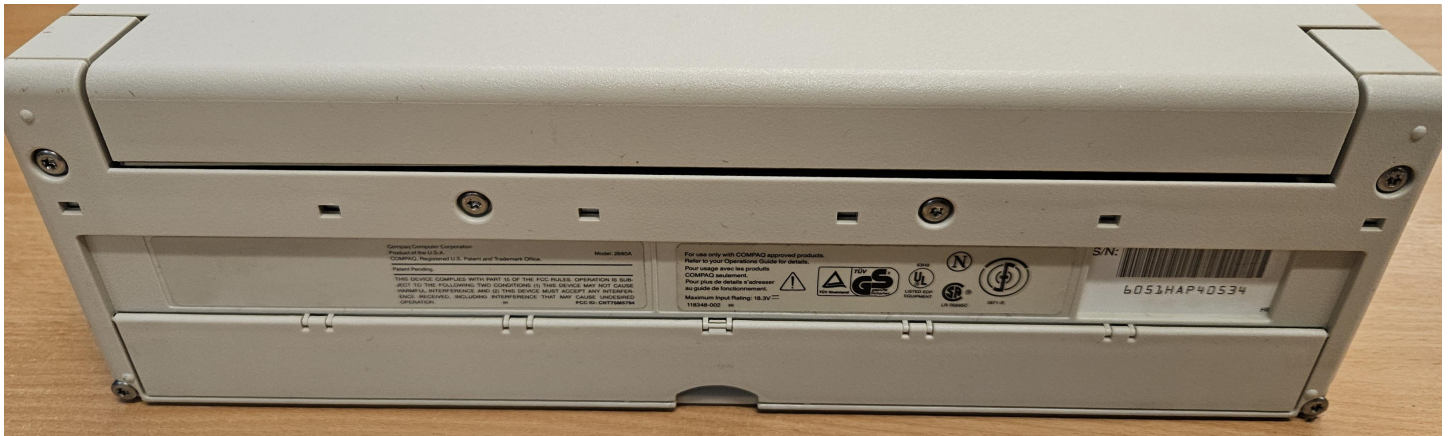


Figure 8: Compaq SLT 386s/20, rear view.

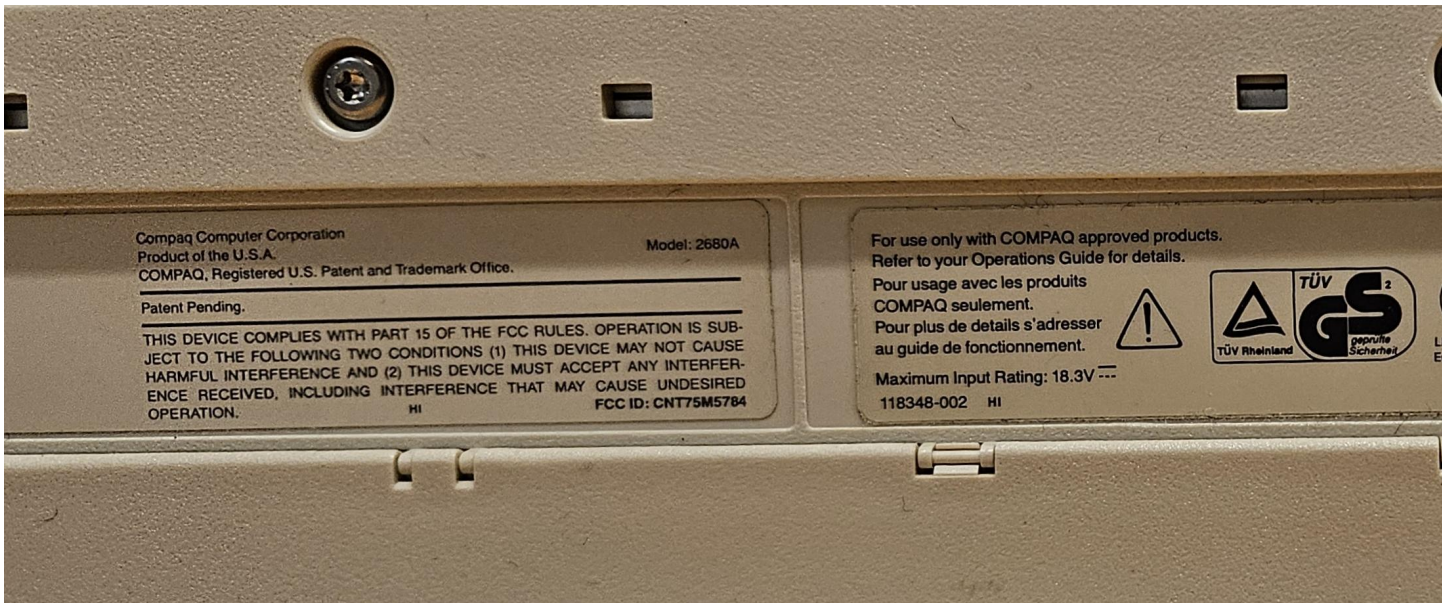


Figure 9: Compaq SLT 386s/20, closeup view of manufacturing label.  
 "Model: 2680A, S/N: 6051HAP40534".





*Figure 10 Compaq SLT 386s/20, front view, case opened.*



*Figure 11: Compaq SLT 386s/20, keyboard closeup view.*



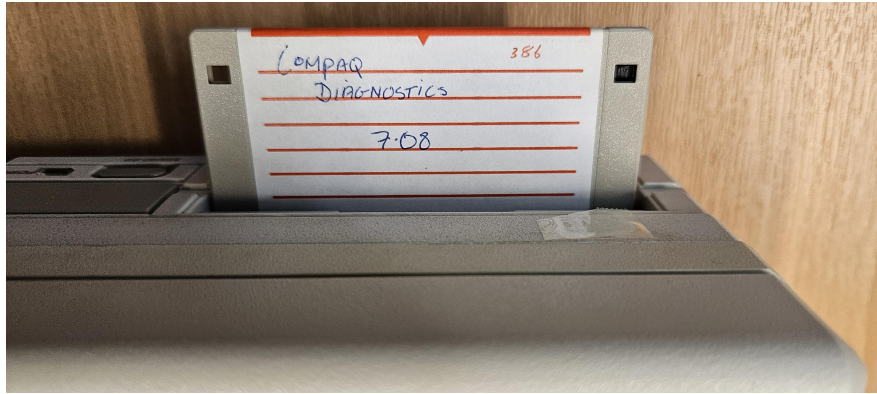


Figure 12: Compaq SLT 386s/20, diagnostics floppy disk, version 7.08.

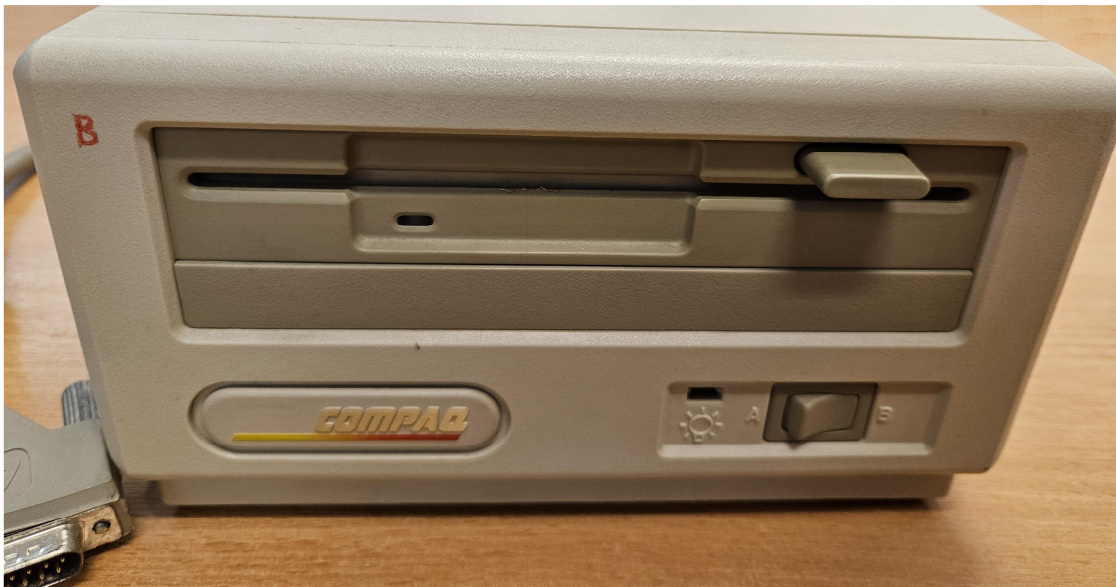


Figure 13: Compaq SLT 386s/20 AC Adaptor, top views, and manufacturing label.  
“Model: 2687, S/N: 6051HAY10356”.





*Figure 14: Compaq External Storage Module, front view.*



*Figure 15: Compaq External Storage Module, front closeup view.*



Figure 16: Compaq External Storage Module, rear closeup view.

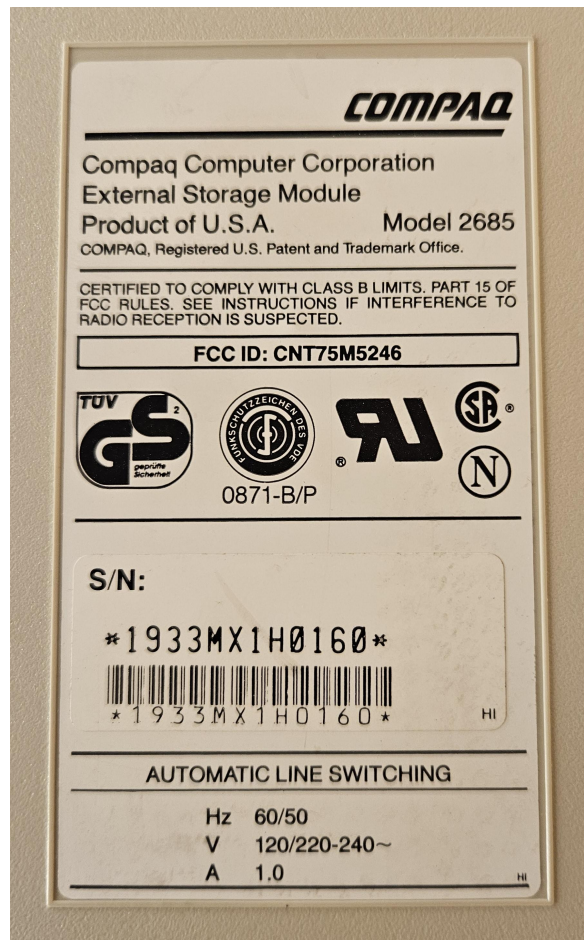


Figure 17: Compaq External Storage Module, manufacturing label.  
“Model: 2685, S/N: 1933MX1H0160”.



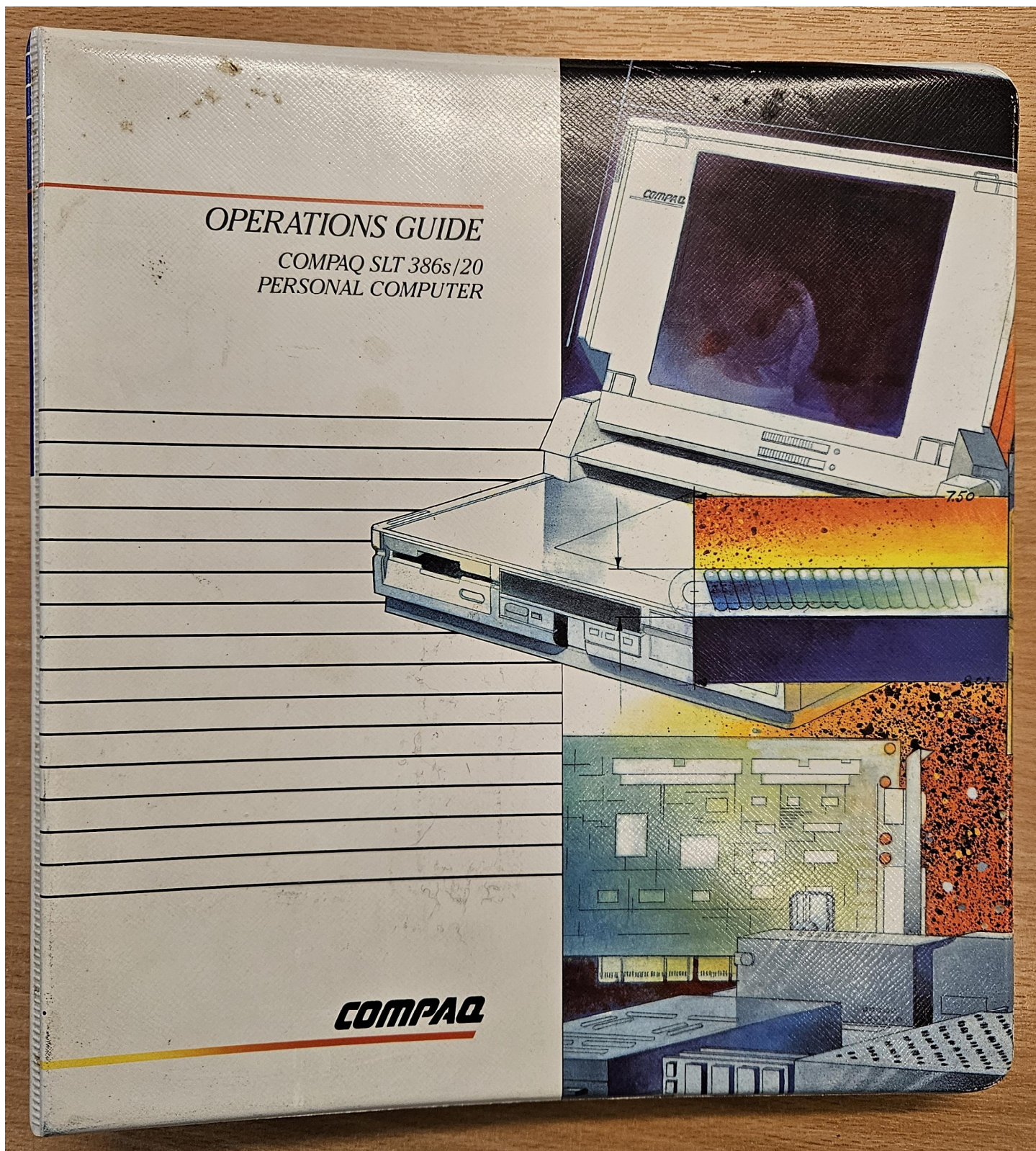


Figure 18: Compaq SLT 386s/20 Operations Guide ring-binder folder.



## GETTING STARTED

COMPAQ SLT 386s/20  
PERSONAL COMPUTER

**COMPAQ**

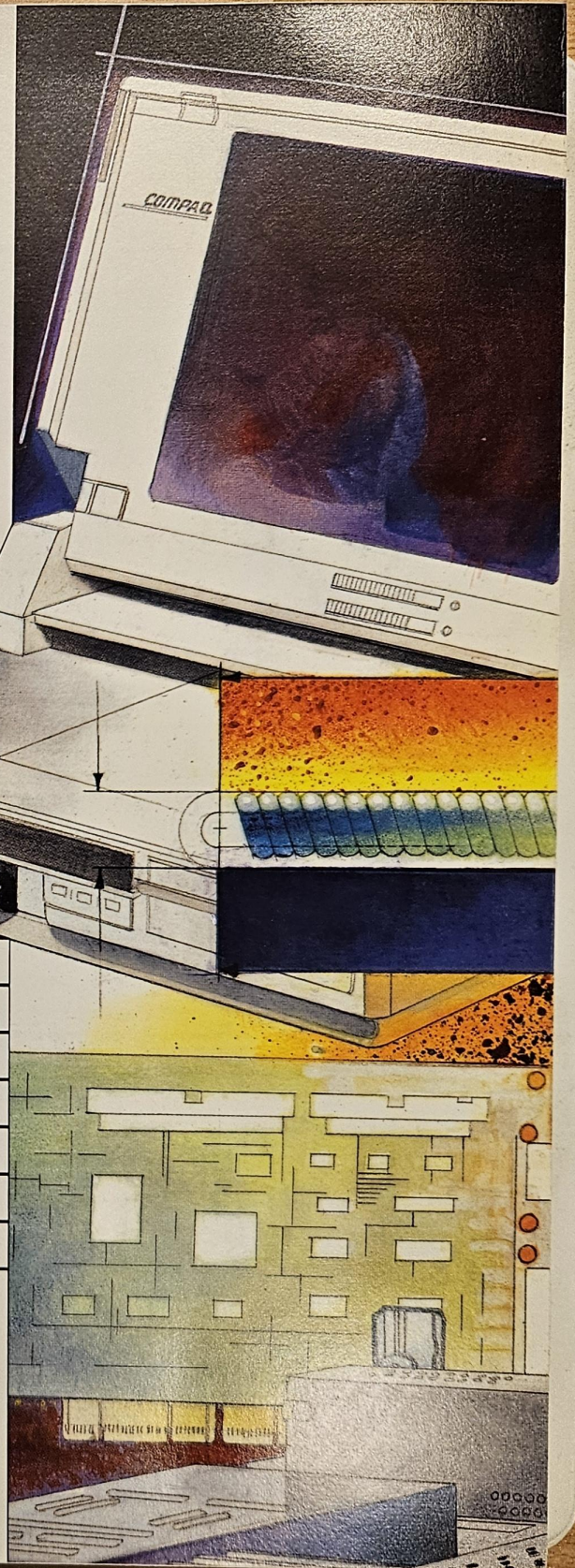


Figure 19: Compaq SLT 386s/20 Getting Started, cover page.



## CONTENTS

### ACCOMPANYING THE COMPUTER ix

#### Chapter 1

#### INTRODUCTION

Standard Hardware Features	1-2
Configuration Software	1-3
Operating Systems	1-3

#### Chapter 2

#### PREPARING THE COMPUTER FOR USE

Unpacking the Computer	2-2
Connecting the AC Adapter	2-3
Charging the Battery Pack	2-6
Opening the Computer	2-7
Positioning the Keyboard	2-9
Identifying the User Controls and LED Indicators	2-11
Inserting and Removing a 3½-Inch Diskette	2-13

#### Chapter 3

#### SETTING UP AND TESTING THE SYSTEM

Setting Up and Testing the System	3-1
Before You Begin	3-1
Running the SETUP Program	3-2
Running the TEST Program	3-5

Figure 20: Compaq SLT 386s/20 Getting Started, contents page vii.



*Chapter 4*

INSTALLING THE SOFTWARE

Installing the Operating System

Backing Up the Software

Copying the Software to the Fixed Disk

Installing Application Systems

Going on from Here

*Appendix A*

POWER-ON SELF-TEST (POST) ERROR CODES

GLOSSARY

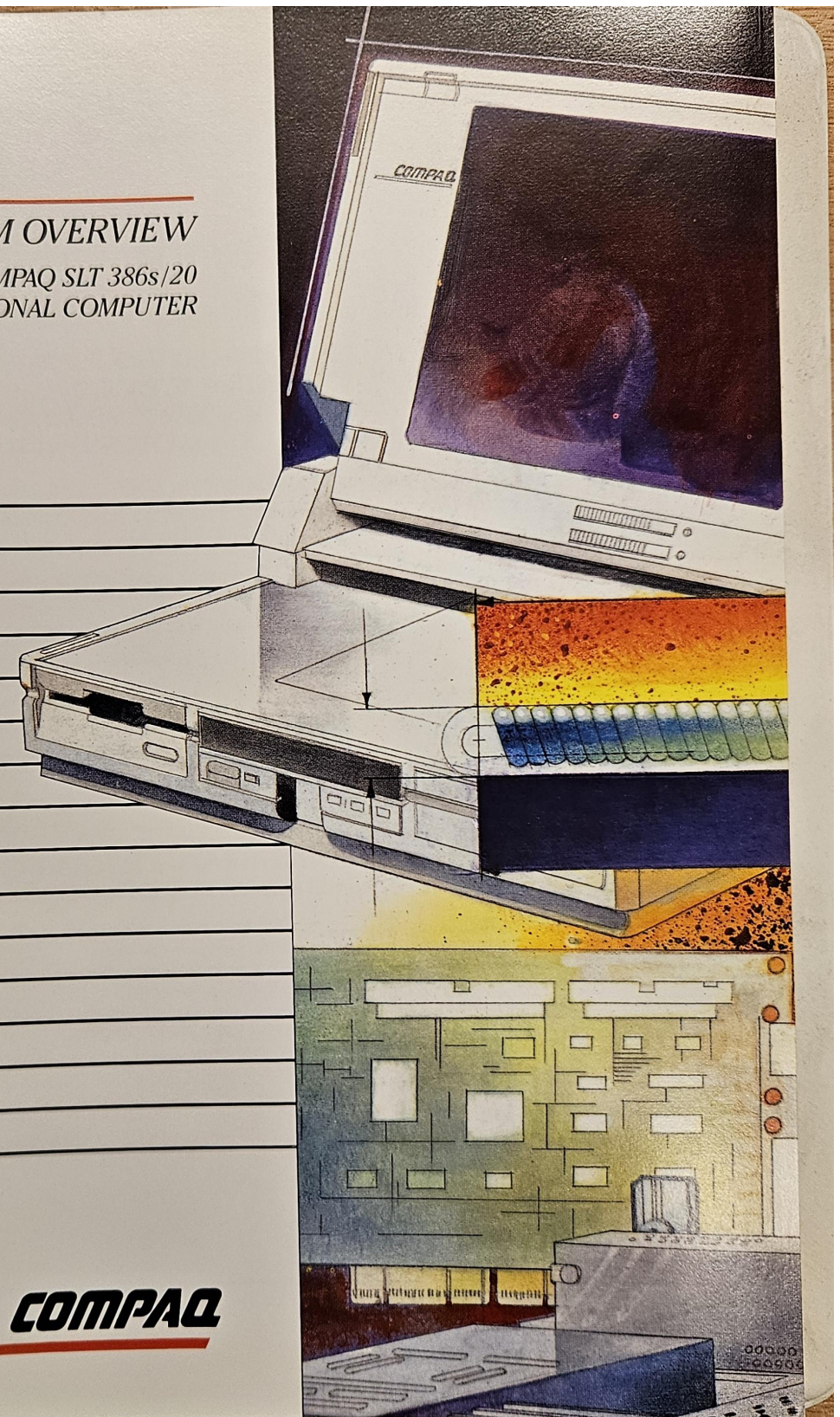
INDEX

Figure 21: Compaq SLT 386s/20 Getting Started, contents page viii.



## SYSTEM OVERVIEW

COMPAQ SLT 386s/20  
PERSONAL COMPUTER



**COMPAQ**

Figure 22: Compaq SLT 386s/20 System Overview, cover page.



## CONTENTS

### Chapter 1

#### STANDARD FEATURES

Microprocessor Subsystem	1-1
20-MHz 386SX Microprocessor	1-1
Coprocessor Socket	1-2
Real-Time Clock/Calendar	1-2
Memory	1-3
Standard Memory	1-3
Memory Expansion	1-3
Cache Memory	1-4
Extended and Expanded Memory	1-4
VGA Backlit Display	1-5
Display Options	1-6
Graphics Standards Support	1-7
Screen Save	1-8
Laptop Enhanced Keyboard	1-9
FN Key	1-10
Cursor-Control Cluster	1-10
Embedded Numeric Keypad	1-12
Mass Storage Devices	1-17
Physical Drives	1-17
Logical Drives	1-18
LED Indicators	1-19
External Device Interfaces	1-20
Identifying the Interfaces	1-20
Connecting External Devices	1-22
Enabling and Disabling an External VGA Monitor	1-24

Figure 23: Compaq SLT 386s/20 System Overview, contents page vii.



*Chapter 2***SYSTEM POWER SUPPLIES**

External Power	2-2
Internal Power	2-3
Operating Time	2-3
Charging the Battery Pack	2-4
Removing and Inserting the Battery Pack	2-5
Standby	2-7
Low Battery Conditions	2-8
Recommended Actions for Low Battery Conditions	2-9

*Chapter 3***POWER CONSERVATION**

System Inactivity Timeout	3-1
Standby	3-2
Monitored Subsystems	3-3
Standby Button	3-4
System-Initiated Standby	3-5
User-Initiated Standby	3-5
Maximizing Battery Life	3-6
Reducing System Energy	3-7
Maximizing Battery Energy	3-8
Discharging the Battery Pack	3-8

*Figure 24: Compaq SLT 386s/20 System Overview, contents page viii.*



**Chapter 4****MODIFYING DEFAULT VALUES THROUGH  
THE SETUP PROGRAM**

Power Conservation	4-2
System Inactivity Timeout	4-3
Fixed Disk Drive Inactivity Timeout	4-3
Screen Save Timeout	4-4
Modem Power-On State	4-4
Memory Configuration	4-5
Internal Base Memory	4-5
Expanded/Extended Memory	4-6
Communications Interfaces	4-6
Parallel Interface	4-7
Serial Interface	4-7

**Chapter 5****PASSWORD SECURITY**

Establishing the Power-On Password	5-1
Entering the Power-On Password	5-2
Changing the Power-On Password	5-2
Deleting the Power-On Password	5-3
Disabling and Reenabling the Power-On Password Feature	5-3

*Figure 25: Compaq SLT 386s/20 System Overview, contents page ix.*



*Chapter 6***TRAVEL AND MAINTENANCE**

Travel	6-1
Maintenance	6-2
INSPECT Program	6-3

*Appendix A***SPECIFICATIONS**

A-1

*Appendix B***POWER CORD SET REQUIREMENTS**

B-1

*Appendix C***EXTERNAL INTERFACES**

C-1

**GLOSSARY**

G-1

**INDEX**

I-1

*Figure 26: Compaq SLT 386s/20 System Overview, contents page x.*



*USER PROGRAMS  
REFERENCE*

**COMPAQ**

Figure 27: Compaq SLT 386s/20 User Programs Reference, cover page.



## CONTENTS

### *Chapter 1*

#### INTRODUCTION

Overview	1-1
What You Need	1-1
What You Can do With USER PROGRAMS	1-2
Notational Conventions	1-4
Syntax Conventions	1-5
Which Utilities Work on Your System	1-7
Utility Summary	1-8
The Memory Utilities	1-8
Display Utilities	1-9
Keyboard Utilities	1-10
Other Utilities	1-11
Non-COMPAQ Utilities	1-12
The Help Utilities	1-13

### *Chapter 2*

#### INSTALLING THE USER PROGRAMS FILES

Introduction	2-1
Installing COMPAQ Utilities	2-1

Figure 28: Compaq SLT 386s/20 User Programs Reference, Contents page v.



Installing Microsoft Windows or Novell NetWare	2-1
Device Drivers	2-2
Installation Options	2-3
Copying Files to the MS-DOS Directory of the Fixed Disk	2-5
Copying Files to Your Working MS-DOS Diskette	2-7
Copying Files to the MS OS/2 Directory of the Fixed Disk	2-7

### Chapter 3

## SYSTEM MEMORY AND THE MEMORY UTILITIES

Introduction	3-1
For the New User	3-2
For the Advanced User	3-2
System Memory	3-3
The First Megabyte	3-4
Beyond the First Megabyte	3-5
Memory Types	3-7
Base Memory	3-7
Upper Memory Area	3-7
Expanded Memory	3-8
Extended Memory	3-9
HIMEM	3-10
Installation and Examples	3-10
The HIMEM.EXE Device Driver	3-11
The HIMEM Command	3-13
CEMM	3-14
Installation and Examples	3-15

Figure 29: Compaq SLT 386s/20 User Programs Reference, Contents page vi.



Using the CEMM Command	3-16
The CEMM.EXE Device Driver	3-17
The CEMM Command	3-24
CEMMP	3-26
Installation and Examples	3-27
The CEMMP.EXE Device Driver	3-28
The CEMMP Command	3-32
RUNHI	3-33
Installation and Examples	3-33
The RUNHI.EXE Device Driver	3-34
The RUNHI Command	3-36
MODE MEMCACHE	3-39
CACHE	3-40
Queued Writes	3-40
Using CACHE	3-40
Installation and Examples	3-41
The CACHE.EXE Device Driver	3-42
The CACHE Command	3-44
VDISK	3-46
Installation and Examples	3-46
The VDISK.SYS Device Driver	3-47

Figure 30: Compaq SLT 386s/20 User Programs Reference, Contents page vii.



<i>Chapter 4</i>	
DISPLAY OPTION UTILITIES	4-1
Introduction	4-2
ADAPT	4-3
Using ADAPT with Different COMPAQ Displays	4-4
The ADAPT Command Line	4-6
Starting ADAPT	4-7
Changing Character Appearance	4-7
Increasing Color Contrasts on VGA Displays	4-8
Using Display Attribute Files	4-8
Changing Hot-Key Selection	4-9
Changing Cursor Size	4-9
Locking/Unlocking Cursor Size	4-10
Setting Screen Save	4-11
Examples of How to Use ADAPT	4-12
CHARSET	4-15
MODE ATTRIBUTE	4-17
MODE CRT	4-21
MODE SCREENSAVE	4-22
MODE SELECT	4-22

Figure 31: Compaq SLT 386s/20 User Programs Reference, Contents page viii.



**Chapter 5****KEYBOARD UTILITIES**

	5-2
KEYB	5-4
KEYBDP	5-5
KP	

**Chapter 6****OTHER UTILITIES**

CLOCK	6-2
MODE ADDRCONx	6-3
MODE SPEED	6-4
PWRCON	6-11
The PWRCON.SYS Device Driver	6-12
The PWRCON Command	6-13

**Chapter 7****MICROSOFT WINDOWS DEVICE DRIVERS**

Introduction	7-1
Installing Windows Version 3.0 and Device Drivers	7-2
Upgrading an Existing VGA-Based Windows Version 3.0 Installation	7-4
Installing Windows/386 or Windows/286 Version 2.1x Device Drivers	7-6
Using Windows Applications with MS-DOS Version 4.0	7-8

*Figure 32: Compaq SLT 386s/20 User Programs Reference, Contents page ix.*

Chapter 8

NOVELL NETWARE UTILITIES

Installing Novell NetWare Device Drivers	8-1
Configuring the COMPAQ Intelligent Drive Array (IDA) for Use with Novell NetWare 386	8-2
Installation Procedure	8-3
Configuring the COMPAQ Drive Array for Use with Novell NetWare Version 2.1x	8-5
Installing Novell NetWare Version 2.1x	8-6
Installing the CPQDA286 Device Driver from Diskettes	8-6
Installing the CPQDA286 Device Driver from Another File Server or Fixed Disk	8-7
COMPAQ 32-Bit IDA Status Utility for Novell NetWare 386 Version 3.1	8-9
Requirements	8-10
How the IDA Status Utility Works	8-11
IDA Status Utility Parameters and Defaults	8-12
IDA Status Utility Installation Procedures	8-13

Figure 33: Compaq SLT 386s/20 User Programs Reference, Contents page x.



<i>Appendix A</i>	
USING RUNHI	A-2
Why use RUNHI	A-4
Installing RUNHI	A-5
CEMM and CEMMP Parameter Notes	A-7
Examples	A-8
RUNHI Screen Displays	
<i>Appendix B</i>	
SYSTEM MESSAGES	B-1
GLOSSARY	G-1
INDEX	I-1

Figure 34: Compaq SLT 386s/20 User Programs Reference, Contents page xi.

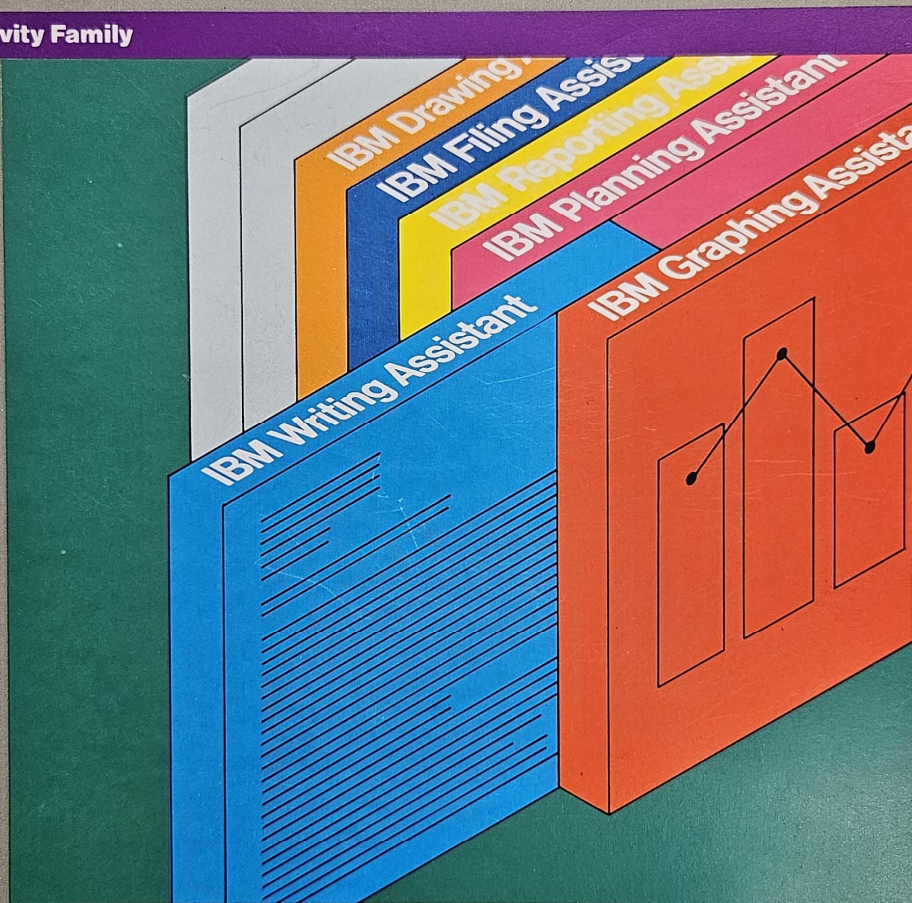


Assistant Series

# IBM Writing Assistant Version 2.00

3.5" & 5.25"  
diskettes

Productivity Family



**IBM**  
Personal  
Computer

**Type in, edit and print** your documents simply and quickly. Include data and graphs from other IBM Assistant Series programs. Find and correct misspelt words with the built-in spelling checker.

Figure 35: IBM Writing Assistant Version 2.00, packaging front.



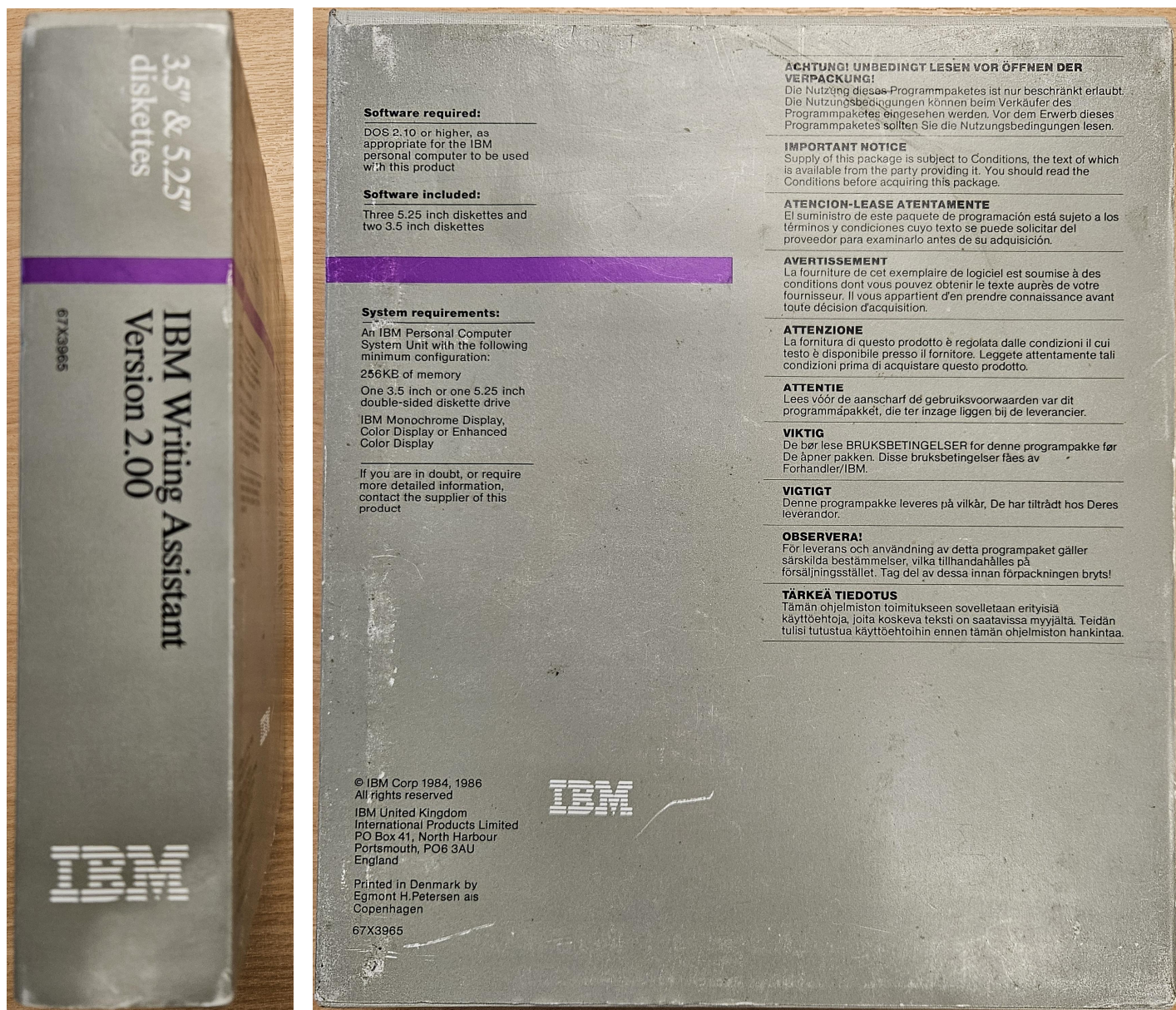


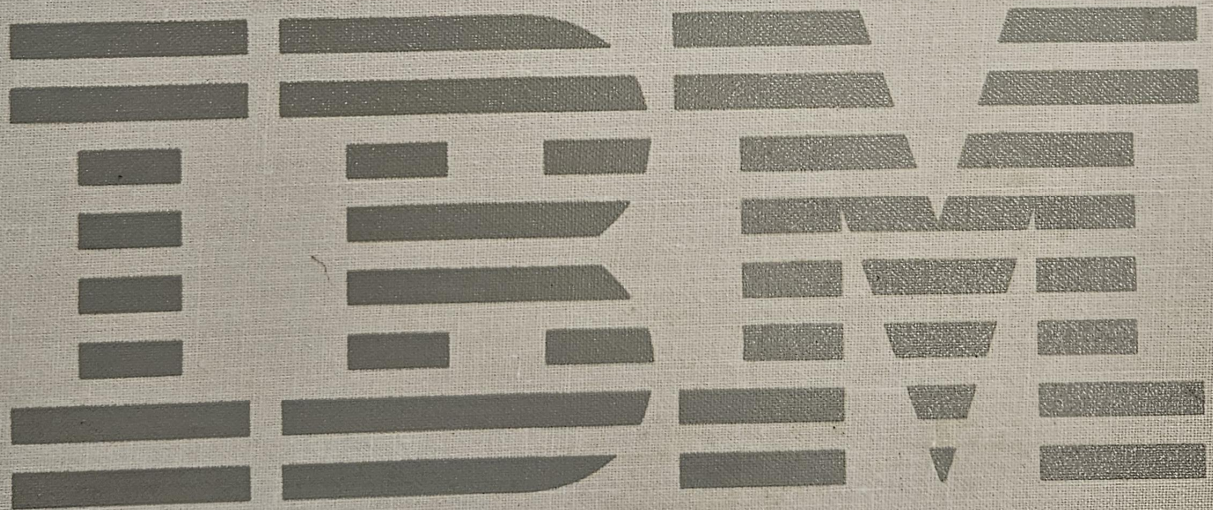
Figure 36: IBM Writing Assistant Version 2.00, packaging spine and rear.



Personal  
Computer

---

# IBM Writing Assistant Version 2.00



*Figure 37: IBM Writing Assistant Version 2.00, ring-binder front cover.*



Assistant Series

# IBM Writing Assistant Version 2.00

Productivity Family

**IBM**

Personal  
Computer

75X4628

*Figure 38: IBM Writing Assistant Version 2.00, cover page.*

# Contents

<b>Chapter 1. Introduction</b> .....	<b>1-1</b>
About IBM Writing Assistant .....	1-1
How Writing Assistant Works .....	1-7
Using Assistant Series Programs Together .....	1-8
<b>Chapter 2. Getting Started</b> .....	<b>2-1</b>
What You Need to Use Writing Assistant .....	2-2
When You Need Help .....	2-3
Using the Backup/Install Program .....	2-4
Using Quick Menu/Setup .....	2-10
Starting Writing Assistant .....	2-15
Exiting from the Program .....	2-16
Summary .....	2-17
<b>Chapter 3. Creating and Editing Documents</b> .....	<b>3-1</b>
The Working Copy .....	3-1
Creating a New Document .....	3-1
Simple Editing .....	3-11
Returning to the Main Menu .....	3-16
Summary .....	3-16
<b>Chapter 4. Saving, Getting, and Removing Documents</b> .....	<b>4-1</b>
Saving a Document .....	4-1
Getting a Document .....	4-6
Listing Files in a Directory .....	4-8
Removing a Document .....	4-11
Clearing the Working Copy .....	4-12
Summary .....	4-12
<b>Chapter 5. Printing Documents</b> .....	<b>5-1</b>
Printing a Document .....	5-1
Printing All or Part of a Document .....	5-4
Printing Multiple Copies .....	5-6
Customizing the Printed Document .....	5-6
Using Single Sheet Stationery .....	5-15
Printing an Address on an Envelope .....	5-15

Figure 39: IBM Writing Assistant Version 2.00, Contents page v.



Merging IBM Filing Assistant Data .....	5-18
Using Different Printers .....	5-18
Printing a Document to a Disk .....	5-19
Canceling Print .....	5-19
Summary .....	5-20
<b>Chapter 6. Additional Editing Features .....</b>	<b>6-1</b>
Searching Through a Document .....	6-1
Indenting Margins .....	6-7
Block Editing .....	6-9
Adjusting a Line of Text .....	6-15
Emphasizing Words or Phrases in a Document ..	6-16
Summary .....	6-18
<b>Chapter 7. Changing the Page Layout .....</b>	<b>7-1</b>
Setting Margins .....	7-1
Changing the Page Length .....	7-3
Headings and Footings .....	7-5
Numbering Pages .....	7-8
Printing Cover Pages .....	7-10
Reusing a Page Layout .....	7-10
Summary .....	7-11
<b>Chapter 8. Combining Other Files with Documents .....</b>	<b>8-1</b>
Adding Files to the Working Copy .....	8-1
Adding a File When Printing the Working Copy ..	8-3
Adding Reports, Spreadsheets or Projects .....	8-4
Adding Graphs or Drawings .....	8-6
Creating Form Letters with Filing Assistant .....	8-8
Summary .....	8-15
<b>Chapter 9. Proofing Your Document .....</b>	<b>9-1</b>
Using the Spell Checker .....	9-1
Using the Synonym Dictionary .....	9-8
Summary .....	9-10
<b>Appendix A. Messages .....</b>	<b>A-1</b>
<b>Appendix B. Using IBM Writing Assistant on the IBM PC</b>	
Local Area Network .....	B-1
<b>Appendix C. Character Set .....</b>	<b>C-1</b>
<b>Index .....</b>	<b>Index-1</b>

Figure 40: IBM Writing Assistant Version 2.00, Contents page vi.



DOS 3.20

3.5 diskette

Programming Family



**IBM**  
Personal  
Computer  
Software

The IBM Disk Operating System (DOS) is the base for thousands of application programs. Extensive facilities for managing data are available for your use. New applications can be developed in a variety of supported programming languages.

Figure 41: IBM DOS 3.20, packaging front.



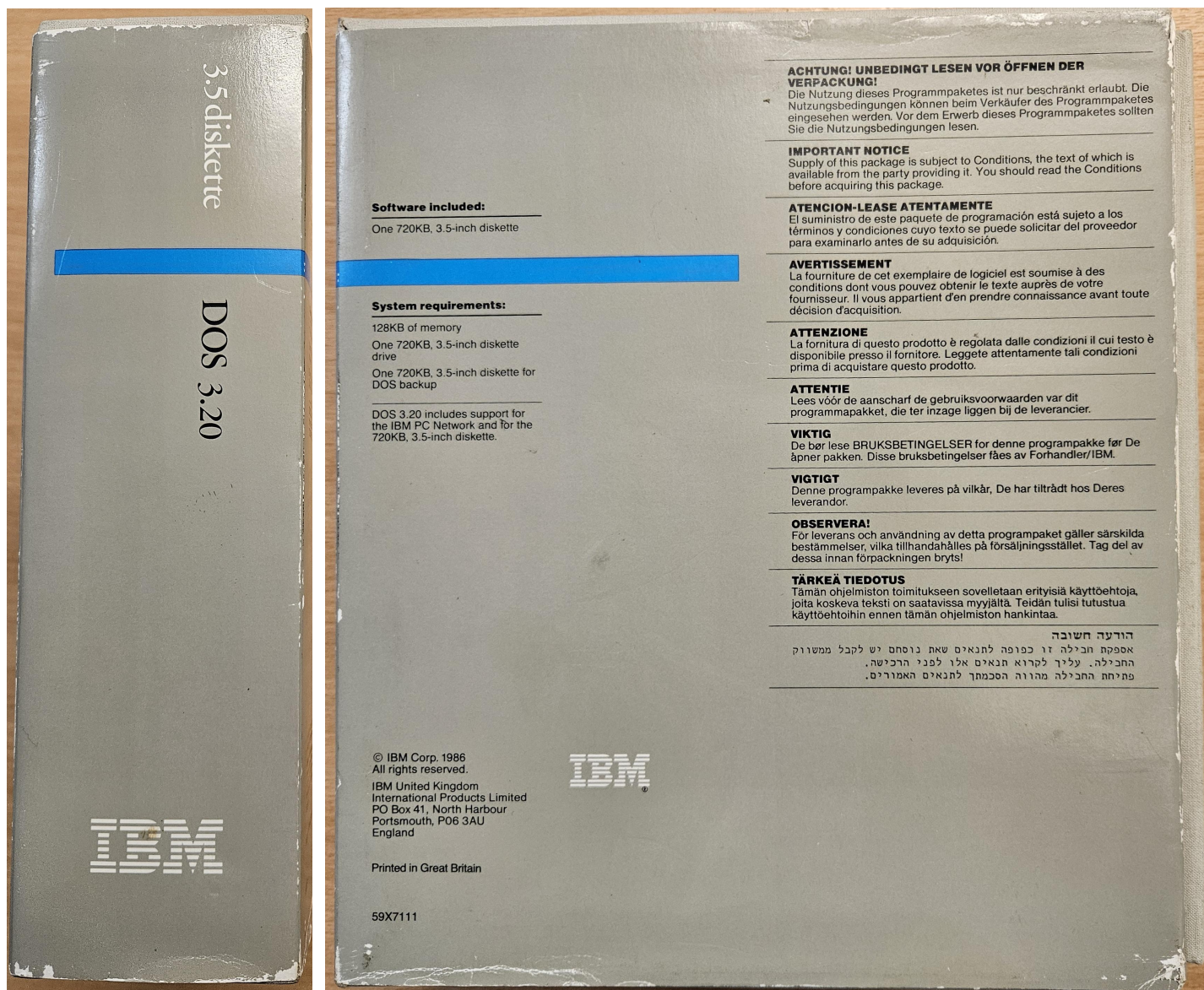


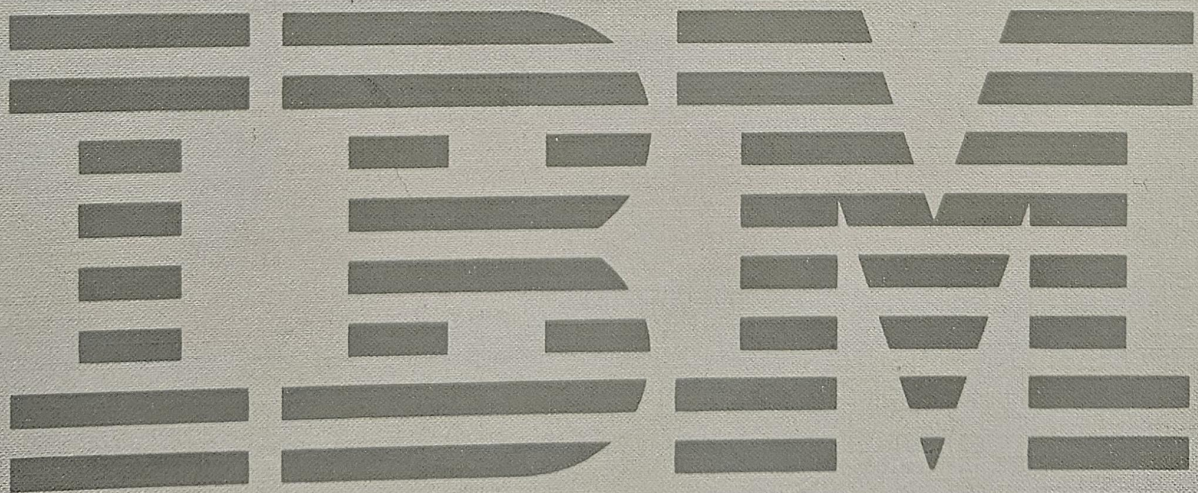
Figure 42: IBM DOS 3.20, packaging spine and rear.



**IBM Software**  
for IBM Personal  
Computers

---

DOS



*Figure 43: IBM DOS 3.20, ring-binder front cover.*



DOS 3.20

# Reference

by IBM Corp. and Microsoft, Inc.

**Programming Family**



**Personal  
Computer  
Software**

68X2405

*Figure 44: IBM DOS 3.20, cover page.*



# Contents

<b>Chapter 1. Introduction</b>	<b>1-1</b>
About Your DOS Books and Diskettes	1-3
DOS 3.20 Features	1-3
New Commands	1-4
Enhanced Commands	1-5
About Diskette Drives and Diskettes	1-6
Types of Diskette Drives	1-6
Types of Diskettes	1-6
Diskette and Drive Compatibility	1-8
About Messages	1-9
<b>Chapter 2. File Specification</b>	<b>2-1</b>
Introduction	2-3
The File Specification	2-3
DOS Device Names	2-5
Global File Name Characters	2-7
The ? Character	2-7
The * Character	2-8
Examples of Ways to Use ? and *	2-9
<b>Chapter 3. Preparing Your Fixed Disk</b>	<b>3-1</b>
Introduction	3-3
Referring to Disk Drives	3-3
Replacing a Previous Version of DOS	3-4
Replacing a Previous Version of DOS	
Supplemental Programs	3-5
Network Information	3-6
Dividing Your Fixed Disk	3-7
Using FDISK	3-7
Starting FDISK	3-8
Creating a DOS Partition (Choice 1)	3-10
Using an Entire Fixed Disk for DOS	3-11
Using Part of a Fixed Disk for DOS	3-12
Changing the Active Partition (Choice 2)	3-14
Deleting a DOS Partition (Choice 3)	3-16
Displaying Partition Information (Choice 4)	3-18
Select the Next Fixed Disk Drive (Choice 5)	3-19

Figure 45: IBM DOS 3.20, Contents page vii.



Installing DOS on the Fixed Disk .....	3-19
Country and Keyboard Codes .....	3-21
Using SELECT to Install DOS on a Fixed Disk .....	3-22
Copying Other DOS Files to the Partition .....	3-26
Starting DOS from Your Fixed Disk ..	3-27
 <b>Chapter 4. Configuring Your System .....</b>	<b>4-1</b>
Introduction .....	4-3
What is a Configuration File? .....	4-4
Creating a CONFIG.SYS File .....	4-4
Configuration Commands .....	4-5
BREAK Command .....	4-6
BUFFERS Command .....	4-7
COUNTRY Command .....	4-11
DEVICE Command .....	4-14
Loading Standard Device Drivers ....	4-14
Installing Your Own Device Driver ...	4-14
Device Drivers On Your DOS Diskette	4-15
ANSI.SYS .....	4-15
DRIVER.SYS .....	4-16
Logical Drive Letter Assignment .....	4-19
General Rules For Drive Letters ....	4-19
VDISK.SYS .....	4-22
FCBS Command .....	4-27
With File Sharing .....	4-28
Without File Sharing .....	4-28
FILES Command .....	4-30
LASTDRIVE Command .....	4-32
SHELL Command .....	4-33
 <b>Chapter 5. Using Tree-Structured Directories ....</b>	<b>5-1</b>
Introduction .....	5-3
Why Use Directories? .....	5-3
How Directories Are Organized .....	5-4
Directory Entries .....	5-5
Accessing Your Subdirectories .....	5-6
The Current Directory .....	5-6
Changing Directories with CHDIR ....	5-7
Specifying a Path to a File .....	5-8
Using the PATH Command .....	5-8
Using PATH in a Batch File .....	5-9

Figure 46: IBM DOS 3.20, Contents page viii.



Using Directory Commands .....	5-10
Making a Subdirectory .....	5-11
Removing a Subdirectory .....	5-12
Displaying and Changing the Current Directory .....	5-14
Displaying the Directory Structure ...	5-15
Where DOS Looks for Commands and Batch Files .....	5-15
<b>Chapter 6. Standard Input and Standard Output ...</b>	<b>6-1</b>
Introduction .....	6-3
Redirection of Standard Input and Output Devices .....	6-3
Piping of Standard Input and Output .....	6-6
DOS Filters .....	6-7
<b>Chapter 7. DOS Commands .....</b>	<b>7-1</b>
Introduction .....	7-5
DOS Commands and the Network .....	7-7
Types of DOS Commands .....	7-8
Entering a DOS Command .....	7-9
Information Common to All DOS Commands .....	7-10
DOS Commands .....	7-13
ASSIGN (Drive) Command .....	7-14
ATTRIB (Attribute) Command .....	7-17
BACKUP Command .....	7-19
Batch File Commands .....	7-24
Creating a Batch File .....	7-26
Executing a Batch file .....	7-27
The AUTOEXEC.BAT File .....	7-27
Creating an AUTOEXEC.BAT file ..	7-28
Creating a Batch File with Replaceable Parameters .....	7-28
Executing a Batch File with Replaceable Parameters .....	7-29
ECHO Subcommand .....	7-30
FOR Subcommand .....	7-32
GOTO Subcommand .....	7-33
IF Subcommand .....	7-34
PAUSE Subcommand .....	7-38
REM (Remark) Subcommand .....	7-39

Figure 47: IBM DOS 3.20, Contents page ix.



SHIFT Subcommand .....	7-40
BREAK (Control Break) Command .....	7-43
CHDIR (Change Directory) Command ...	7-45
CHKDSK (Check Disk) Command .....	7-48
CLS (Clear Screen) Command .....	7-52
COMMAND (Secondary Command Processor) Command .....	7-53
COMP (Compare Files) Command .....	7-56
COPY Command .....	7-61
CTTY (Change Console) Command .....	7-73
DATE Command .....	7-75
DEL (Delete) Command .....	7-78
DIR (Directory) Command .....	7-80
DISKCOMP (Compare Diskettes Only) Command .....	7-86
DISKCOMP Compatibility .....	7-90
DISKCOPY (Copy Diskettes Only) Command .....	7-93
DISKCOPY Compatibility .....	7-97
ERASE Command .....	7-99
EXE2BIN Command .....	7-101
FDISK Command .....	7-104
FIND Filter Command .....	7-105
FORMAT Command .....	7-108
FORMAT Compatibility .....	7-114
Parameter Compatibility .....	7-115
GRAFTABL (Load Graphics Table) Command .....	7-118
GRAPHICS (Screen Print) Command ...	7-120
JOIN Command .....	7-123
Why Use JOIN? .....	7-127
KEYBxx (Load Keyboard) command ...	7-128
LABEL (Volume Label) Command .....	7-132
MKDIR (Make Directory) Command ...	7-135
MODE Command .....	7-137
MORE Filter Command .....	7-144
PATH (Set Search Directory) Command .	7-145
PRINT Command .....	7-148
PROMPT (Set System Prompt) Command	7-154
RECOVER Command .....	7-158
RENAME (or REN) Command .....	7-161
REPLACE Command .....	7-162
RESTORE Command .....	7-166

Figure 48: IBM DOS 3.20, Contents page x.



Restoring System Files Using the DOS	
RESTORE Command	7-170
RMDIR (Remove Directory) Command	7-172
SELECT Command	7-173
SET (Set Environment) Command	7-179
SHARE Command	7-182
SORT Filter Command	7-184
SUBST(Substitute) Command	7-187
SYS (System) Command	7-193
TIME Command	7-195
TREE Command	7-198
TYPE Command	7-201
VER (Version) Command	7-202
VERIFY Command	7-203
VOL (Volume) Command	7-205
XCOPY Command	7-206
<b>Chapter 8. The Line Editor (EDLIN)</b>	<b>8-1</b>
Introduction	8-3
How to Start the EDLIN Program	8-5
Editing an Existing File	8-5
Editing a New File	8-6
The EDLIN Command Parameters	8-7
The EDLIN Commands	8-9
Information Common to All EDLIN	
Commands	8-9
A (Append Lines) Command	8-11
C (Copy Lines) Command	8-12
D (Delete Lines) Command	8-13
Edit Line Command	8-16
E (End Edit) Command	8-18
I (Insert Lines) Command	8-19
L (List Lines) Command	8-22
M (Move Lines) Command	8-25
P (Page) Command	8-26
Q (Quit Edit) Command	8-27
R (Replace Text) Command	8-28
S (Search Text) Command	8-31
T (Transfer Lines) Command	8-34
W (Write Lines) Command	8-35
<b>Chapter 9. The Linker (LINK) Program</b>	<b>9-1</b>
Introduction	9-3

Figure 49: IBM DOS 3.20, Contents page xi.



Files .....	9-4
Input Files .....	9-4
Output Files .....	9-5
VM.TMP (Temporary File) .....	9-5
Definitions .....	9-6
Segment .....	9-6
Group .....	9-7
Class .....	9-7
Command Prompts .....	9-7
Command Prompts .....	9-9
Object Modules [.OBJ]: .....	9-9
Run File [filename.EXE]: .....	9-10
List File [NUL.MAP]: .....	9-10
Libraries [.LIB]: .....	9-12
Linker Parameters .....	9-14
How to Start the Linker Program .....	9-17
Before You Begin .....	9-17
Option 1 - Console Responses .....	9-17
Option 2 - Command Line .....	9-18
Option 3 - Automatic Responses .....	9-21
Example Linker Session .....	9-23
How to Determine the Absolute Address of a Segment .....	9-26
Messages .....	9-27
<b>Chapter 10. DEBUG Program .....</b>	<b>10-1</b>
Introduction .....	10-3
How to Start the DEBUG Program .....	10-4
The DEBUG Command Parameters .....	10-6
The DEBUG Commands .....	10-13
Information Common to All DEBUG Commands .....	10-13
A (Assemble) Command .....	10-15
C (Compare) Command .....	10-19
D (Dump) Command .....	10-20
E (Enter) Command .....	10-23
F (Fill) Command .....	10-26
G (Go) Command .....	10-27
H (Hexarithmic) Command .....	10-30
I (Input) Command .....	10-31
L (Load) Command .....	10-32
M (Move) Command .....	10-35
N (Name) Command .....	10-36

Figure 50: IBM DOS 3.20, Contents page xii.



O (Output) Command .....	10-38
P (Proceed) Command .....	10-39
Q (Quit) Command .....	10-40
R (Register) Command .....	10-41
S (Search) Command .....	10-46
T (Trace) Command .....	10-47
U (Unassemble) Command .....	10-49
W (Write) Command .....	10-52
<b>Appendix A. Messages .....</b>	<b>A-3</b>
Introduction .....	A-3
Responses .....	A-3
Device Error Messages .....	A-4
Other Messages .....	A-11
<b>Appendix B. Internal Stack Failure Error Message .</b>	<b>B-1</b>
STACKS Command .....	B-2
<b>Index .....</b>	<b>Index-1</b>

Figure 51: IBM DOS 3.20, Contents page xiii.