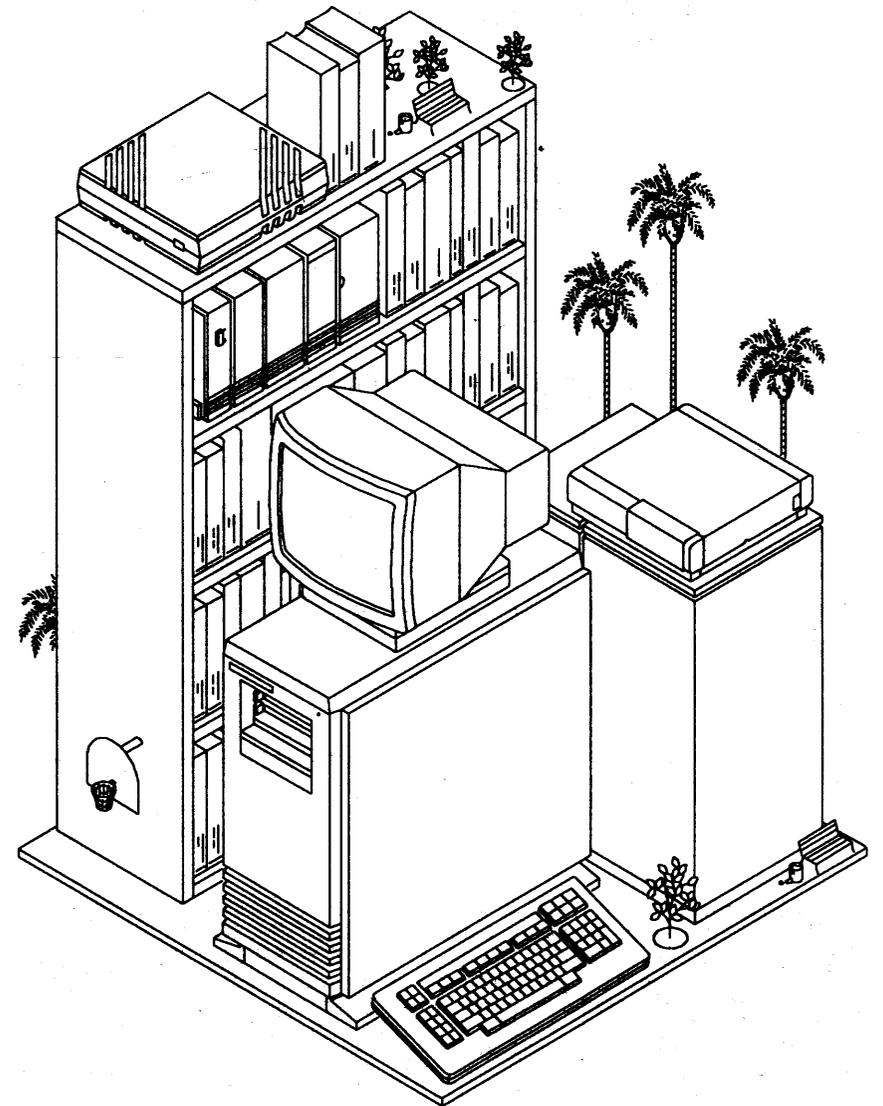


Convergent Publications Catalog





Contents

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This catalog is a comprehensive listing of the manuals currently available from Convergent Technologies. The catalog is divided into two sections.

The first section lists manual titles in machine-specific groupings and is designed to help you find which manuals apply to your system. For instance, if you have an NGEN 286 processor, you will find a list of the manuals that are available for that machine and its expansion modules and software.

This first section is divided into four parts:

- **Workstations and SRP**, which includes the NGEN workstations, Series i, and the Shared Resource Processor (SRP).
- **S/Series**, which includes the S/MT Series and the S/1280.
- **Server PC (SPC)**
- **Network PC**

The second section is an alphabetic listing of all manuals. Once you have found the manuals that are available, use this second section to pinpoint the manuals that apply to your specific requirements. Each entry also tells the kind of user that the manual was written for and includes a description of the contents.

The entries in the alphabetical listing follow this format:

Title
User category
Edition/publication date/number of pages
Product number
Description of contents

The user categories are defined as follows:

- End User** End user manuals are written for the person who uses application software products. These manuals assume the user has no prior experience with the software. Some installation manuals are also written with this person in mind.
- Developer** These manuals provide the hardware functional description and software interface definitions for the person who is integrating hardware or system software with Convergent Technologies products.
- Programmer** These manuals provide the procedures and examples required to write programs. The types of manuals included are language manuals, operating systems manuals, and programmer's guides.
- Administrator** These manuals are written for the person who sets up and administers computers and operating system software. These manuals assume that the reader will develop a technical understanding of the product, although it is not necessarily assumed that this person already has such knowledge.
- Technician** These manuals provide the technician with the information necessary to understand the hardware design of each Convergent Technologies product.

A *preliminary edition* (prelim.) is a reviewed first or second draft, sometimes without illustrations, and invariably not as polished as a final edition manual.

An *engineering update* is an interim publication written by Engineering to update a manual or serve as product documentation until a manual is written.

An *update notice* consists of looseleaf change pages that are designed to be collated into an existing manual.

A *revised edition* includes all the update notices that previously accompanied that edition.

A *supplement* gives additional information about the product.

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 Convergent Technologies, Inc.
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 San Jose, CA 95150-6685

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Buyer pays \$5 per page. More recent manuals where all illustrations are integrated with the text are distributed as laser printer originals. Other manuals where art has been pasted up are distributed as full-page photostats of the original camera-ready copy.

The exact price for each option varies depending on the size and complexity of the manual. Contact the Convergent Cluster Systems Division Multimedia Publishing department or the UNIX Systems Division Technical Publications department for price quotes.

Allow 30 days for filling orders after receipt of a purchase order. The order is filled faster if the buyer provides a prioritized list of manuals. This allows partial orders to be shipped.

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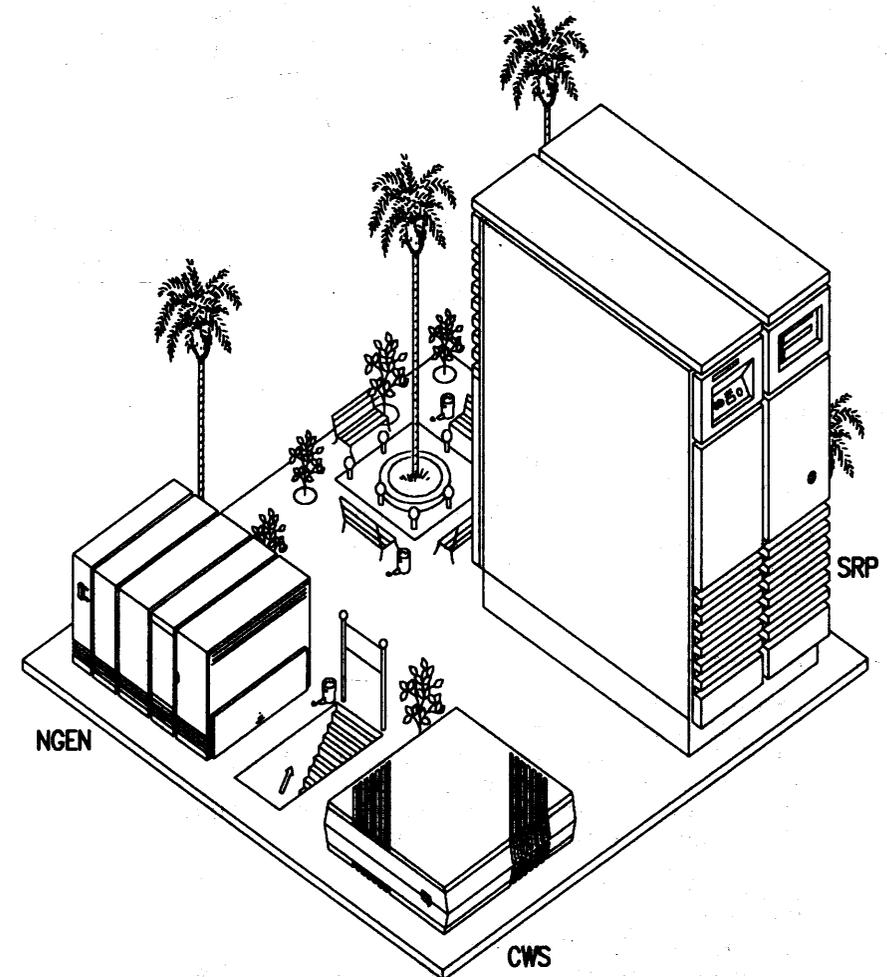
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011-44-344-411707

Workstation and SRP



Workstation and SRP Machine Groupings

This section is intended to help you determine which manuals are available for your system. The following listings are grouped according to the type of machine and the various types of manuals. For instance, if you need a manual for your NGEN disk drive, look in the list of NGEN hardware manuals. Refer to the alphabetic listing for detailed information about individual manuals.

NGEN HARDWARE MANUALS

NOTE: The NGEN family includes the Series 286i and Series 386i and the NGEN 186, 286 and 386 processors. Any hardware or software application incompatibilities are noted in the following lists.

NGEN Processor Manuals

Enhanced Video Supplement
Processor: CP-001-9 Vol. 1&2 (186 only)
Processor: CP-002, Vol. 1&2 (286 only)
Processor: CP-003, Vol. 1&2 (386 only)
Series 286i, Vol. 1&2 (286i only)

NGEN Hardware

286i Installation
80386 Hardware Reference (Intel)
80386 Programmer's Reference (386 only) (Intel)
80387 Programmer's Reference (Intel)
iAPX 286 Programmer's Reference (286 only) (Intel)
Color Monitor (186, 286, 386 only)
Dual Floppy Disk
Ethernet Controller
Floppy/Hard Disk
GC-102 Technical Reference
Graphics Controller: Model GC-001 (186, 286, 386 only)
Graphics Controller: Model GC-003 (286, 386 only)
Hard Disk Upgrades and Expansions
HSD-140 Technical Reference
HSD-320 Technical Reference
HSX-020 Technical Reference

NGEN Hardware (continued)

HSX-140 Technical Reference
HSX-320 Technical Reference
Keyboard/Mouse
Micropolis Model 1325 (For 85.3M-byte disk drive)
Monochrome Monitors
Multiline Port Expander
NGEN Installation (186, 286, 386 only)
PC Emulator
Quantum Q500 (For 42.6M-byte disk drive)
Quarter-Inch Cartridge Tape
Seagate ST225 (For 25.62M-byte disk drive)
Series 286i Hardware (286i only)
Series 386i Installation (386i only)
Series 386i Technical Reference
SCSI Upgrades and Expansions
Telecluster
Visinostics
Voice Processor

CWS HARDWARE MANUALS

CWS Hardware
Keyboard
Monochrome Monitors
Telecluster

SRP HARDWARE MANUALS

Megaframe Hardware
Megaframe Multibus Adapter
S/1280 and SRP Diagnostics
S/1280 and SRP Expansion Enclosure (B-Box) Installation
S/1280 and SRP Installation
TeleCluster

WORKSTATION MANUALS

Workstation Operating Systems

- CTOS Operating System
- CTOS Programmer's Guide
- CTOS System Administrator's Guide
- CTOS/VM Concepts (286, 386, 286i and 386i only)
- CTOS/VM Reference (286, 386, 286i and 386i only)
- MS-DOS, Version 2, Macro Assembler
- MS-DOS, Version 2, Programmer's Reference
- MS-DOS, Version 2, User's Guide
- PC Emulator Manuals
 - GW-BASIC Interpreter User's Guide: Version 3.2
 - GW-BASIC Interpreter User's Reference: Version 3.2
 - Introduction to the PC Emulator
 - MS-DOS User's Guide: Version 3.3
 - MS-DOS User's Reference: Version 3.3

Workstation Standard Software

- Context Manager
- Context Manager/VM (286, 386, 286i only)
- Debugger Training Package
- Executive Manuals
 - Executive
 - Editor
- Asynchronous Terminal Emulator
- Executive User's Guide
- Generic Print System Programmer's Guide
- Getting Started with Your Workstation
- Printing Guide
- Programming Tools Manuals
 - Assembly Language
 - Linker/Librarian
- Status Codes

Workstation Application Software

- Art Designer Manuals
 - Art Designer: Charts and Drawings
 - Getting Started with Drawings
- ClusterShare Mail Manuals
 - Getting Started with ClusterShare Mail
 - ClusterShare Mail User's Guide
- CT-DBMS
- CT-MAIL Administrator's Manuals
 - CT-MAIL Administrator's Reference
 - Modem Server Reference
- CT-MAIL User's Manuals
 - Getting Started with CT-MAIL
 - CT-MAIL User's Guide
- CT-MAIL Terminal User's Guide
- CT-MAIL Programmer's Reference
- CTOS Office Applications Programmer's Guide
- Document Designer Manuals
 - Document Designer: Office Publishing
 - Document Designer Quick Reference Card
 - Document Designer: System Administration
 - Document Designer: Time-Saving Tools
 - Document Designer: Word Processing
 - Getting Started with Document Designer:
 - Office Publishing
 - Getting Started with Document Designer:
 - Word Processing
- Document Interchange Management System
- Extended Multiplan Manuals
 - Extended Multiplan Reference
 - Extended Multiplan User's Guide
 - Getting Started with Extended Multiplan
- Font Designer
- Forms
- Graphics Programmer's Guide
- Image Designer
- ISAM
- Modem Server Reference
- Mouse Services
- Operator, Using the
- Phone Memo Manager
- Raster Font and Icon Designer
- Solution Designer Manuals
 - Solution Designer Reference
 - Solution Designer User's Guide
- Sort/Merge
- Voice/Data Services

Workstation Application Software (continued)

- Window Services
- Word Processing Manuals
 - Word Processing Quick Reference
 - Word Processing Reference
 - Word Processing User's Guide

Workstation Languages

- BASIC Manuals
 - BASIC Compiler
 - BASIC Interpreter
- FORTRAN
 - FORTRAN-86
- GW-BASIC Operations Guide
- GW-BASIC Reference
- High C Manuals
 - High C Language Reference
 - High C Library Reference
 - High C Programmer's Guide
- High Performance LEVEL II COBOL Manuals
 - High Performance LEVEL II COBOL Operating Guide
 - High Performance LEVEL II COBOL Error Messages
 - High Performance LEVEL II COBOL Pocket Guide
 - Introduction to LEVEL II COBOL
 - LEVEL II COBOL Language Reference
- Pascal Vol. 1&2
- Workstation C Programmer's Guide

Workstation Communication/Network

- 2780/3780 RJE Terminal Emulator
- 3270 Terminal Emulator
- ClusterShare SNA 3270 Terminal Emulator User's Guide
- ClusterShare User's Manuals
 - ClusterShare AutoBoot User's Guide
 - ClusterShare User's Guide
- CT-Net Reference
- Document Interchange Management System
- Enhanced BSC 3270 Emulator
- Modem Server
- Multimode Terminal Emulator Manuals
 - Multimode Terminal Emulator Reference
 - Multimode Terminal Emulator User's

Workstation Communication/Network (continued)

- SNA 3270 Emulator
- SNA BASIC LU 6.2 Administrator's and Programmer's Guide
- SNA Multiline Network Gateway
- SNA Network Gateway
- SNA Network Gateway (PU 2.0)
- SNA Programmer's Guide
- SNA RJE
- X.25 Network Gateway

Workstation and SRP Documentation Sets

The following sets of manuals are prepackaged for your convenience. Most of these sets contain all the manuals you need to fully install or set up the indicated hardware or software. For example, the CTOS System Software set contains all the material necessary to set up and use a fully functional CTOS system on a workstation.

CTOS SYSTEM SOFTWARE SET DZZ-1500

Context Manager
CTOS Office Applications
 Programmer's Guide
CTOS Programmer's Guide
CTOS System Administrator's Guide
CTOS/VM Reference
Debugger Training Package
Executive Manuals
 Executive
 Editor
 Asynchronous Terminal Emulator
Executive User's Guide
Getting Started with Your Workstation
NGEN Installation
Printing Guide
Programming Tools Manuals
 Assembly Language
 Linker/Librarian
Status Codes
Visinostics

CTOS/VM AND SRP SYSTEM SOFTWARE SET DZZ-1520

286i Installation
Context Manager/VM
CTOS Office Applications
 Programmer's Guide
CTOS Programmer's Guide
CTOS System Administrator's Guide
CTOS/VM Reference

Debugger Training Package
Executive Manuals
 Executive
 Editor
 Asynchronous Terminal Emulator
Executive User's Guide
Getting Started with Your Workstation
NGEN Installation
Printing Guide
Programming Tools Manuals
 Assembly Language
 Linker/Librarian
S/1280 and SRP Diagnostics
Status Codes
Visinostics

NGEN HARDWARE SET (CP-001) DZZ-1000

16-Bit Microprocessor (Intel)
Color Monitor
Dual Floppy Disk
Ethernet Controller
Floppy/Hard Disk
Graphics Controller: Model GC-001
Graphics Controller: Model GC-003
Hard Disk Upgrades and Expansions
Keyboard/Mouse
Monochrome Monitors
Multiline Port Expander
NGEN Installation
PC Emulator Hardware
Processor: CP-001-6/8

NGEN HARDWARE SET (CP-001) (continued)

Processor: CP-001-9
Quarter-Inch Cartridge Tape
SCSI Upgrades and Expansions
TeleCluster
Visinostics
Voice Processor

NGEN HARDWARE SET (CP-002) DZZ-1010

iAPX 286 Programmer's Reference (Intel)
Color Monitor
Dual Floppy Disk
Ethernet Controller
Floppy/Hard Disk
Graphics Controller: Model GC-001
Graphics Controller: Model GC-003
Hard Disk Upgrades and Expansions
Keyboard/Mouse
Monochrome Monitors
Multiline Port Expander
NGEN Installation
PC Emulator Hardware
Processor: CP-002
Quarter-Inch Cartridge Tape
SCSI Upgrades and Expansions
TeleCluster
Visinostics
Voice Processor

NGEN HARDWARE SET (CP-003) DZZ-1030

80386 Programmer's Reference (Intel)
Color Monitor
Dual Floppy Disk
Ethernet Controller
Floppy/Hard Disk
Graphics Controller: Model GC-001
Graphics Controller: Model GC-003
Hard Disk Upgrades and Expansions
Keyboard/Mouse
Monochrome Monitors
Multiline Port Expander
NGEN Installation
PC Emulator Hardware

Processor: CP-003
Quarter-Inch Cartridge Tape
SCSI Upgrades and Expansions
TeleCluster
Visinostics
Voice Processor

SERIES 286i HARDWARE SET DZZ-1020

286i Installation
Dual Floppy Disk
Floppy/Hard Disk
Hard Disk Upgrades and Expansions
Keyboard/Mouse
Monochrome Monitors
Multiline Port Expander
Quarter-Inch Cartridge Tape
SCSI Upgrades and Expansions
Series 286i
TeleCluster
Visinostics
Voice Processor

SERIES 386i™ HARDWARE SET DZZ-1040

80386 Hardware Reference
80386 Programmer's Reference
80387 Programmer's Reference
Color Monitor
Dual Floppy Disk
Ethernet Controller
Floppy/Hard Disk
GC-102 Technical Reference
Graphics Controller: Model GC-003
Hard Disk Upgrades and Expansions
Keyboard/Mouse Manuals
Monochrome Monitors
Multiline Port Expander
Quarter-Inch Cartridge Tape
SCSI Upgrades and Expansions
Series 386i Installation
Series 386i Technical Reference
TeleCluster
Visinostics
Voice Processor

**WORKSTATION OFFICE
AUTOMATION SET
DZZ-1610**

Art Designer Manuals

- Art Designer: Charts and Drawings
- Getting Started with Drawings

Context Manager/VM

CT-MAIL Administrator's Manuals

- CT-MAIL Administrator's Reference
- Modem Server Reference

CT-MAIL Terminal User's Guide

CT-MAIL User's Manuals

- Getting Started with CT-MAIL
- CT-MAIL User's Guide

CTOS Office Applications

- Programmer's Guide

Document Designer Manuals

- Document Designer: Office Publishing

- Document Designer Quick Reference Card

- Document Designer: System Administration

- Document Designer: Time-Saving Tools

- Document Designer: Word Processing

- Getting Started with Document Designer: Office Publishing

- Getting Started with Document Designer: Word Processing

Executive Manuals

- Executive

- Editor

- Asynchronous Terminal Emulator

Executive User's Guide

Extended Multiplan Manuals

- Getting Started with Extended Multiplan

- Extended Multiplan Reference

- Extended Multiplan User's Guide

Getting Started with Your Workstation

Image Designer

Printing Guide

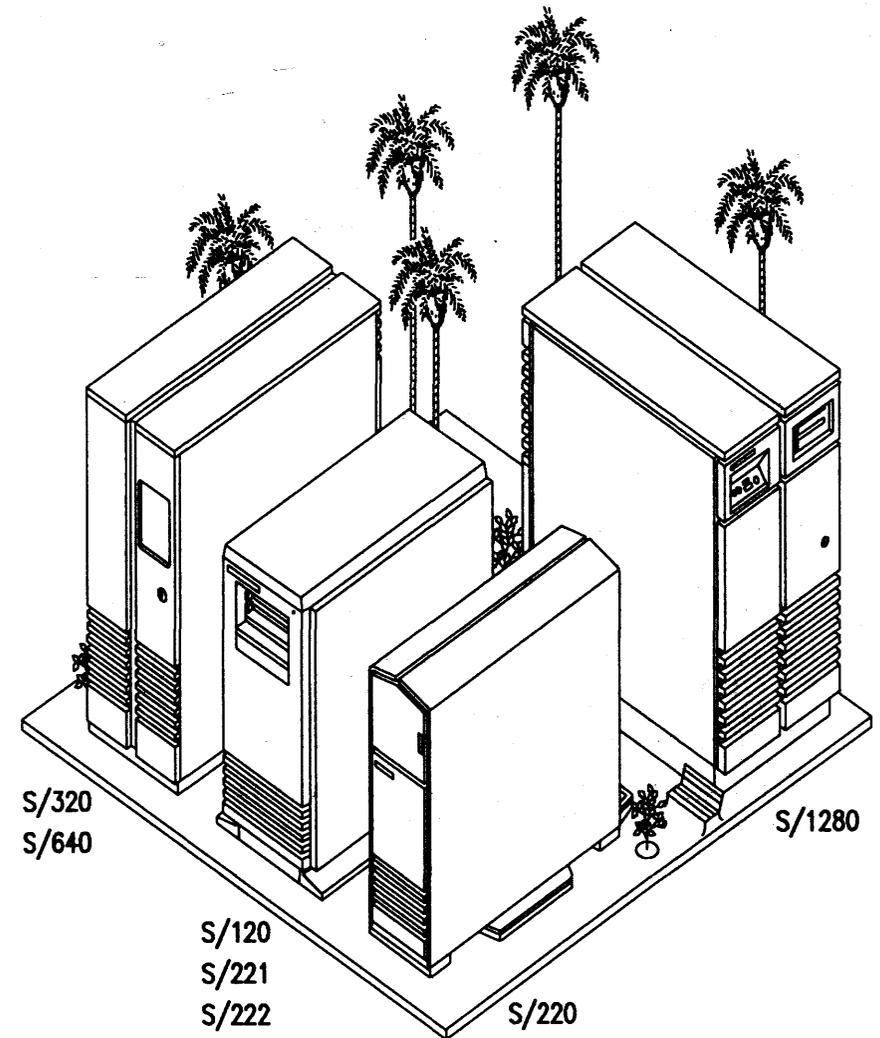
Solution Designer Manuals

- Solution Designer Reference

- Solution Designer User's Guide

Status Codes

Using the Operator



S/Series Machine Groupings

This section is intended to help you find which manuals apply to your system. The following listings are grouped according to the type of machine and the various types of manuals. For instance if you need an installation manual for your S/320, look in the list of S/320 hardware manuals.

NOTE: The S/Series contains the S/MT Series and the S/1280 (MegaFrame). The S/MT Series includes the S/120, S/221, S/222, S/320, and S/640 (MightyFrames). Since compatibility varies between the S/MT Series and the S/1280, these manuals have not been grouped together.

S/MT SERIES SOFTWARE MANUALS

S/MT Series System Software

- CTIX Administrations Tools
- CTIX Internetworking
- CTIX Operating System (Version B)
- CTIX Operating System (Version C)
- Programmer's Guide: CTIX Supplement
- S/1280 and SRP Diagnostics
- S/MT Series Administrator's Manuals
 - CTIX Administration Tools
 - MightyFrame Series Administrator's Reference
- S/MT Series CTIX Administrator's Reference
- S/MT Series Diagnostics
- UNIX System V Programmer's Guide (AT&T)
- Writing MightyFrame Device Drivers

S/MT Series Application Software

- ACCELL/E Manuals
 - ACCELL Development Environment
 - ACCELL RDBMS
 - UNIFY Programmer's
 - UNIFY Reference
 - UNIFY Tutorial
- CTIX Forms Manual
- CTIX ISAM
- MegaFrame Sort/Merge (S/Series)
- WGS/Desktop Manuals
 - WGS/Calendar User's Guide
 - WGS/Desktop Manager User's Guide
 - WGS/Mail User's Guide
- WGS/Desktop 2.0 Manuals
 - WGS/Calendar User's Guide, Version 2.0
 - WGS/Desktop Manager User's Guide, Version 2.0
 - WGS/Mail User's Guide, Version 2.0
- WGS/Office 3 Manuals
 - WGS/Calendar User's Guide
 - WGS/Desktop Manager User's Guide, Version 2.0
 - WGS/Mail User's Guide, Version 2.0
 - WGS/Spreadsheet User's Guide
 - WGS/Word Era Glossary Functions
 - WGS/Word Era Quick Reference Card
 - WGS/Word Era Records Processing
 - WGS/Word Era Reference
 - WGS/Word Processor User's Guide, Version 2.0
- WGS/Spreadsheet User's Guide
- WGS/Spreadsheet User's Guide, Version 2.0
- WGS/Word Processor User's Guide
- UNIFY 2.0 Manuals
 - UNIFY Programmer's
 - UNIFY Reference
 - UNIFY Tutorial

S/MT Series Languages

CTIX BASIC Interpreter and Compiler
CTIX Enhanced FORTRAN and Pascal Debugger
CTIX FORTRAN
CTIX Pascal
LPI-COBOL Language Reference
LPI-COBOL User's Guide
LPI-Debug Reference

S/MT Series Communication/Network

CTIX BSC 2780/3780 RJE Terminal Emulator
CTIX BSC 3270 Terminal Emulator
CTIX Internetworking
CTIX Network Administrator's Guide
CTIX SNA 3270 Terminal Emulator
CTIX SNA LU Type 6.2 APPC Server
CTIX SNA Network Gateway
CTIX SNA PU2.1 Network Gateway
CTIX SNA RJE
CTIX X.25 Network Gateway
CTIX X.25 Terminal/Host Adapter
Multiplex: PC/Host Database Link
PC Exchange/VINES Network Installation Guide
PC Exchange/VINES Network Manager's User's Guide
PC Exchange/VINES Network Network User's Guide
TeleCluster

S/MT SERIES HARDWARE MANUALS

S/80 Hardware Manuals

S/80 Diagnostics Manual
S/80 Installation
S/80 Technical Reference

S/120 Hardware Manuals

S/120 Installation
S/320 and S/220 Hardware
S/MT Series Diagnostics
S/MT Series Ethernet Combo Board Technical Reference
S/MT Series Remote I/O Processor Technical Reference
S/MT Series RS-232-C Expansion Technical Reference
S/MT Series RS-422 Expansion Technical Reference
TeleCluster

S/221 Hardware Manuals

S/221 and S/222 Installation
S/320 and S/220 Hardware
S/MT Series Diagnostics
S/MT Series Ethernet Combo Board Technical Reference
S/MT Series IOP Expansion Technical Reference
S/MT Series Remote I/O Processor Technical Reference
S/MT Series RS-232-C Expansion Technical Reference
S/MT Series RS-422 Expansion Technical Reference
TeleCluster

S/222 Hardware Manuals

MightyFrame VME Ethernet Controller Card
S/221 and S/222 Installation
S/320 and S/220 Hardware
S/320 VME Half-Inch Tape Controller Card
S/320 VME SMD Controller Card
S/MT Series Ethernet Combo Board Technical Reference
S/MT Series Diagnostics
S/MT Series IOP Expansion Technical Reference
S/MT Series Remote I/O Processor Technical Reference
S/MT Series RS-232-C Expansion Technical Reference
S/MT Series RS-422 Expansion Technical Reference
S/MT Series VME Communications Controller Card
Technical Reference
S/MT Series VME Expansion Technical Reference
TeleCluster

S/320, S/640 Hardware Manuals

MightyFrame Peripherals
MightyFrame VME Ethernet Controller Card
S/320 and S/220 Hardware (S/320 only)
S/320 and S/640 Installation
S/320 VME Half-Inch Tape Controller Card
S/320 VME SMD Controller Card
S/MT Series CPU-02 Technical Reference (S/640 only)
S/MT Series Diagnostics
S/MT Series Ethernet Combo Board Technical Reference
S/MT Series IOP Expansion Technical Reference
S/MT Series Remote I/O Processor Technical Reference
S/MT Series RS-232-C Expansion Technical Reference
S/MT Series RS-422 Expansion Technical Reference
S/MT Series VME Communications Controller Card Technical Reference
S/MT Series VME Expansion Technical Reference
(S/Series) MegaFrame/MightyFrame Expansion Cabinet Installation
TeleCluster

Terminals

Graphics Terminal Font Designer
Graphics Terminal Hardware
Graphics Terminal Installation
Graphics Terminal Programmer's Guide
Programmable Terminal Hardware
Programmable Terminal Installation
Programmable Terminal Programmer's Guide
S/T2 User's Guide
S/T2 Maintenance
S/T2 Programmer's Guide

S/1280 MANUALS

S/1280 System Software

CTIX Internetworking
MegaFrame CTIX Administration Tools
MegaFrame CTIX Operating System
Programmer's Guide: CTIX Supplement
UNIX System V Programmer's Guide (AT&T)
S/1280 CTIX Administrator's Reference

S/1280 Application Software

CTIX Forms Manual
MegaFrame ISAM
MegaFrame Sort/Merge
WGS/Calendar User's Guide
WGS/Desktop Manager
WGS/Mail User's Guide
WGS/Spreadsheet User's Guide
WGS/Word Processor User's Guide
UNIFY Programmer's
UNIFY Reference
UNIFY Tutorial

S/1280 Languages

CTIX BASIC Interpreter and Compiler
CTIX Enhanced FORTRAN and Pascal Debugger
CTIX FORTRAN
CTIX Pascal
LPI-COBOL Language Reference
LPI-COBOL User's Guide
LPI-Debug Reference

S/1280 Communication/Network

CTIX BSC 2780/3780 RJE Terminal Emulator
CTIX BSC 3270 Terminal Emulator
CTIX Internetworking
CTIX SNA 3270 Terminal Emulator
CTIX SNA RJE
CTIX X.3/X.28/X.29 PAD
CTIX X.25/X.29 User Interface
Multiplex: PC/Host Database Link
TeleCluster
X.25 Network Gateway

S/1280 Hardware Manuals

MegaFrame Diagnostics
MegaFrame Hardware
MegaFrame Multibus Adapter
MegaFrame Multibus Ethernet Card
MegaFrame Quarter-Inch Cartridge Tape Upgrade
S/1280 and SRP Installation
S/1280 and SRP Expansion Enclosure (B-Box) Installation
(S/Series) MegaFrame/MightyFrame Expansion Cabinet Installation

Terminals

Graphics Terminal Font Designer
Graphics Terminal Hardware
Graphics Terminal Installation
Graphics Terminal Programmer's Guide
Programmable Terminal Hardware
Programmable Terminal Installation
Programmable Terminal Programmer's Guide

S/Series Documentation Sets

The following sets of manuals are prepackaged for your convenience. Most of these sets contain all the manuals you need to fully install or set up the indicated hardware or software. For example, by purchasing the MightyFrame Hardware set, you have all the information necessary to set up and maintain a fully functional S/320 computer system.

GRAPHICS TERMINAL HARDWARE SET

DZZ-2200

Graphics Terminal Hardware
Graphics Terminal Installation

PROGRAMMABLE TERMINAL HARDWARE SET

DZZ-2100

Programmable Terminal Hardware
Programmable Terminal Installation

S/221 AND S/222 HARDWARE SET

DZZ-5010

MightyFrame Peripherals Manual
S/221 and S/222 Installation
S/320 and S/220 Hardware Manual
S/MT Series Ethernet Combo Board
Technical Reference
S/MT Series IOP Expansion
S/MT Series RS-232-C Expansion
S/MT Series RS-422 Expansion
TeleCluster

S/1280 CTIX SYSTEM SOFTWARE SET

DZZ-3500

CTOS Operating System
MegaFrame CTIX Operating System
Programmer's Guide: CTIX Supplement
S/1280 CTIX Administrator's Reference
Status Codes

S/1280 HARDWARE SET

DZZ-2000

MegaFrame Hardware
MegaFrame/MightyFrame Expansion Cabinet Installation
MegaFrame Multibus Adapter
S/1280 and SRP Expansion Enclosure (B-Box) Installation
S/1280 and SRP Installation

S/MT SERIES HARDWARE SET

DZZ-5000

MegaFrame/MightyFrame Expansion Cabinet Installation
MightyFrame Peripherals
S/120 Supplement
S/320 and S/220 Hardware
S/320 and S/640 Installation
S/MT Series CPU-02 Technical Reference
S/MT Series IOP Expansion Technical Reference
S/MT Series RS-232-C Technical Reference
S/MT Series RS-422 Technical Reference
S/MT Series VME Expansion
TeleCluster

S/MT SERIES SYSTEM SOFTWARE SET

DZZ-5100

CTIX Operating System (Version B)
MightyFrame Series Administrator's Reference
Programmer's Guide: CTIX Supplement
S/MT Series Diagnostics

WGS OFFICE AUTOMATION SET

DZZ-3610

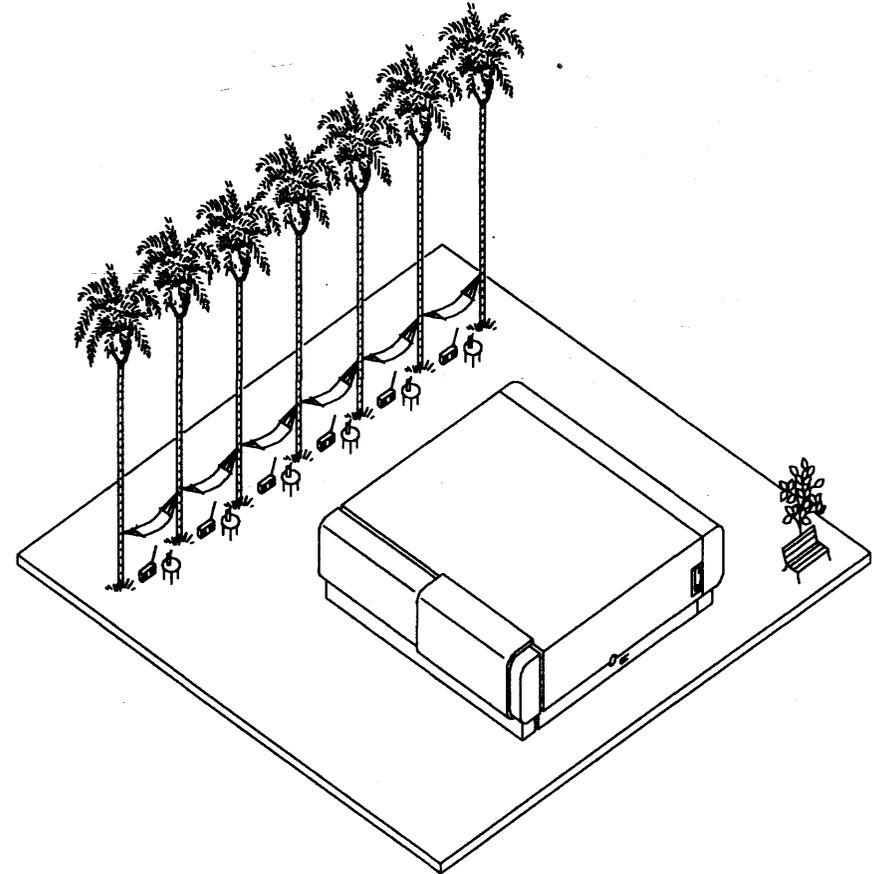
WGS/Desktop Manuals

WGS/Mail User's Guide

WGS/Spreadsheet User's Guide

WGS/Word Processor User's Guide

Network PC



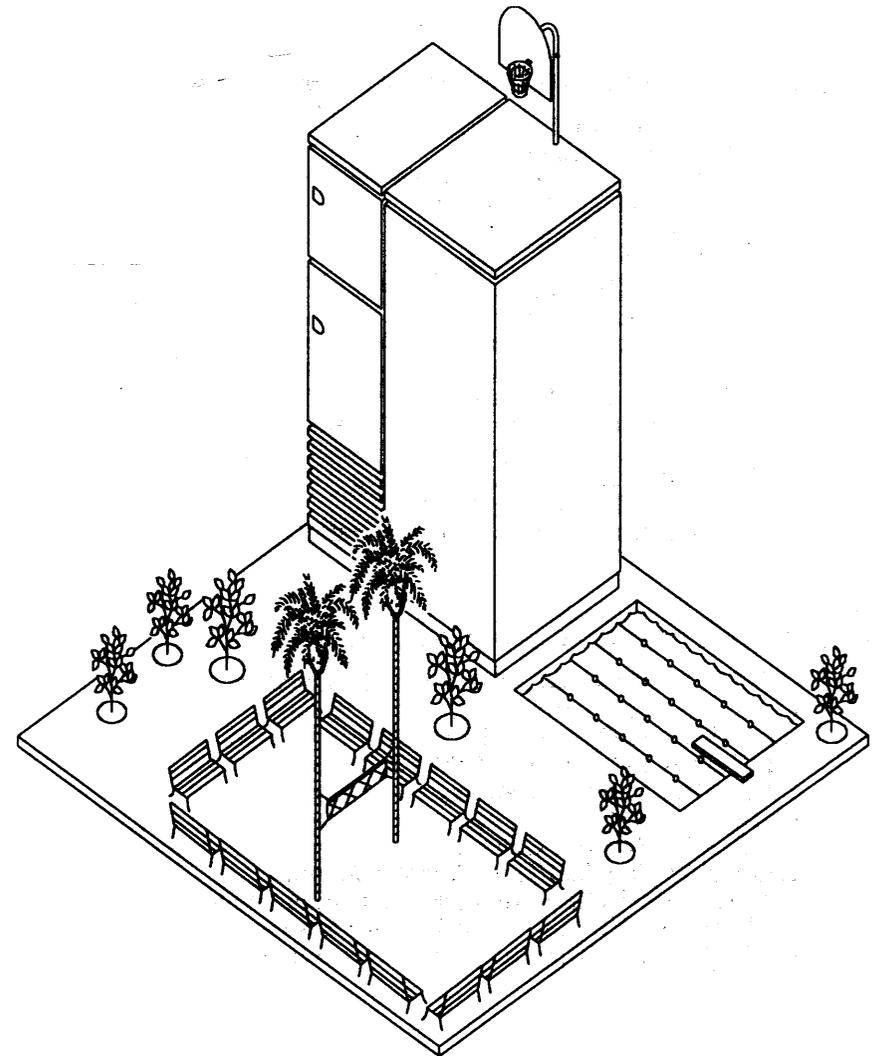
This section is intended to help you determine which manuals are available for your system. The following listings are grouped according to the type of machine and the various types of manuals.

NETWORK PC HARDWARE MANUALS

- ClusterCard Technical Reference
- Network PC User's Guide
- Network PC Technical Reference
- TeleCluster

NETWORK PC SOFTWARE MANUALS

- ClusterShare Mail Manuals
 - ClusterShare Mail User's Guide
 - Getting Started with ClusterShare Mail
- ClusterShare User's Manuals
 - ClusterShare AutoBoot User's Guide
 - ClusterShare User's Guide
- ClusterShare SNA 3270 Terminal Emulator User's Guide



Server PC Machine Groupings

This section is intended to help you determine which manuals are available for your system. The following listings are grouped according to the type of machine and the various types of manuals.

SERVER PC APPLICATIONS SOFTWARE MANUALS

- Server PC 1.1 ACCELL/E Manuals
 - ACCELL 1.1 Manuals
 - ACCELL 1.3 Update Package
- Server PC 4.0 UNIFY Manuals
 - UNIFY 2.0 Manuals
 - UNIFY 4.0 Update Package
- WGS/DESKTOP Manuals
 - WGS/Desktop Manager
 - WGS/Calendar User's Guide
 - WGS/Mail User's Guide
- WGS/Desktop 2.0 Manuals
 - WGS/Calendar User's Guide, Version 2.0
 - WGS/Desktop Manager User's Guide, Version 2.0
 - WGS/Mail User's Guide, Version 2.0
- WGS/SpreadSheet User's Guide
- WGS/Spreadsheet User's Guide, Version 2.0

SERVER PC COMMUNICATION/NETWORK

- CTIX BSC 2780/3780 RJE Terminal Emulator
- CTIX BSC 3270 Terminal Emulator Manual
- CTIX SNA 3270 Terminal Emulator
- CTIX SNA LU Type 6.2 APPC Server
- CTIX SNA Network Gateway
- CTIX SNA RJE
- CTIX X.25 Network Gateway
- CTIX X.25 Terminal/Host Adapter Manual
- PC Exchange/VINES Network Installation Guide
- PC Exchange/VINES Network Manager's Guide
- PC Exchange/VINES Network User's Guide

SERVER PC HARDWARE MANUALS

- 80386 Hardware Reference (Intel)
- 80386 Programmer's Reference Manual (Intel)
- 80386 System Software Writer's Guide (Intel)
- 80387 Programmer's Reference Manual (Intel)
- Server PC Model 100 Diagnostic and Service Guide
- Server PC Model 100 Installation Guide
- Server PC Model 200 Diagnostic and Service Guide
- Server PC Model 200 Installation Guide
- Server PC Serial Communications Processor Option Technical Reference
- Server PC Technical Reference
- Weitek 1167 Coprocessor Documentation

SERVER PC SYSTEM SOFTWARE MANUALS

- CTIX/386 Administrator's Guide
- CTIX/386 Operating System Manual
- CTIX/386 Operations Guide
- CTIX/386 Programmer's Guide
- CTIX/386 Programmer's Guide Supplement
- UNIX System V Documentor's Workbench Technical Discussion and Reference (AT&T)
- Documentor's Workbench Software User's Guide (AT&T)
- Merge 386 User's Guide
- UNIX System V Intel 80286/80386 Computer Version Network Programmer's Guide (AT&T)
- UNIX System V 80286/80386 Computer Version Streams Primer (AT&T)
- UNIX System V 80286/80386 Computer Version Streams Programmer's Guide (AT&T)
- UNIX System V 80386 Version User's Guide (AT&T)
- UNIX System V Assist Software Development Tools Guide (AT&T)
- UNIX System V Assist Software User's Guide (AT&T)

The following sets of manuals are prepackaged for your convenience. Most of these sets contain all the manuals you need to fully install or set up the indicated hardware or software.

**SERVER PC MODEL 200
HARDWARE TECHNICAL
REFERENCE SET**

DZZ-7101

80386 Hardware Reference Manual
80386 Programmer's Reference
Manual
80386 System Software Writer's
Guide
80387 Programmer's Reference
Manual
Server PC Serial Communications
Processor Option Technical
Reference
Server PC Technical Reference
Weitek 1167 Hardware Reference
Manual

UNIX System V Intel 80286/80386
Computer Version Network
Programmer's Guide
UNIX System V Intel 80286/80386
Computer Version Streams
Primer
UNIX System V Intel 80286/80386
Computer Version Streams
Programmer's Guide
UNIX System V Intel 80286/80386
Computer Version User's Guide
UNIX System V Assist Software
User's Guide
UNIX System V Assist Software
Development Tools Guide

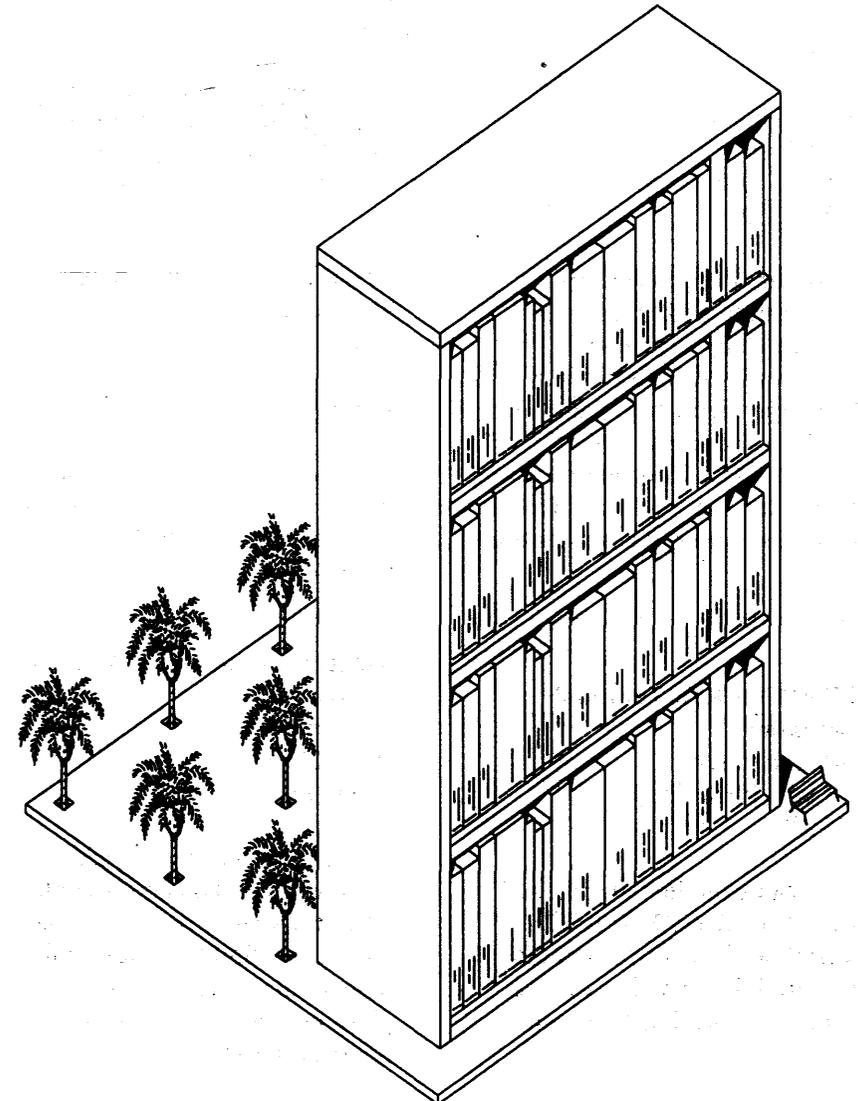
**SERVER PC MODEL 200
HARDWARE
SERVICE/MAINTENANCE SET
DZZ-7105**

Server PC Model 200 Diagnostic
and Service Guide
Server PC Model 200 Installation
Guide
Server PC Serial Communications
Processor Option Technical
Reference
Server PC Technical Reference

**CTIX/386 OPERATING SYSTEM
SOFTWARE SET**

DZZ-7201

CTIX/386 Administrator's Guide
CTIX/386 Operating System Manual
CTIX/386 Operations Guide
CTIX/386 Programmer's Guide
Merge 386 User's Manual



Alphabetic Listing

286i
See also Series 286i

286i Installation
End User
1st ed. 2/88 88pp
DHA-150

Introduces the Series 286i workstation and gives step-by-step setup instructions. Includes information on installing memory expansion cards, attaching peripheral devices. Has information about caring for the workstation and troubleshooting the installation.

2780/3780 RJE Terminal Emulator
Administrator
1st ed. 10/81 75pp
DJ-250

Describes the installation and use of the 2780/3780 RJE Terminal Emulator, including remote job entry, interactive use, configuration files, and commands.

3270 Terminal Emulator
Administrator
1st ed. 11/81 30pp
DJ-200

Describes the 3270 emulator package, including standalone and cluster operations and virtual terminal interface.

80386 Hardware Reference Manual (Intel)
Developer
1986 205pp
DHA-143

Detailed functional discussion of the 80386 microprocessor, of interest primarily to hardware designers.

80386 Programmer's Reference (Intel)
Programmer
1986 318pp
DHA-142

Covers the 80386 software architecture. Discusses application and system programming, and compatibility issues. This manual also includes the complete instruction set for the microprocessor.

80386 System Software Writer's Guide (Intel)
Programmer
1986 200pp
DHA-144

80386 microprocessor programming information.

80387 Programmer's Reference (Intel)
Programmer
1987 300pp
DHA-145

Functional description, programming information, and instruction set for the 80387 floating-point coprocessor.

ACCELL™/E 1.1 MANUALS
ZMC-200

ACCELL™ Development Environment Manuals
Programmer

This set of manuals provides an application tutorial, a developer tutorial, and a comprehensive reference.

ACCELL™ RDBMS Manuals
End User

These manuals provide reference information on how to use the database tools for maintenance, security, data dictionary reports, screen forms, data entry, queries, and list processing.

Direct HLI Programmer's Manual
Programmer

Describes programming in the UNIFY database environment. It describes how to design a database and customize UNIFY tools, and lists possible error messages. COBOL and C interfaces to UNIFY are also described.

ART DESIGNER™ MANUALS
ZGA-240

Art Designer™ Charts and Drawings
End User
2nd ed. 5/87 410pp

Details the functions, commands, options, and capabilities of the Art Designer 2.0 software. (Continued)

ART DESIGNER™ MANUALS
(continued)

Getting Started with Drawings
End User
2nd ed. 10/87 87pp

Explains how to use the Drawing tools of the Art Designer software to create your own drawings. You learn how to draw an organization chart, which includes circles, squares, and lines as well as how to move and resize the shapes you draw.

Assembly Language
See PROGRAMMING TOOLS MANUALS

Asynchronous Terminal Emulator
See EXECUTIVE MANUALS

BASIC MANUALS
ZD-300

BASIC
Programmer
2nd ed. rev. 6/84 240pp
Update Notice 1 11/87 58pp

The BASIC manual describes the BASIC language syntax. (BASIC Interpreter)

BASIC Compiler
Programmer
1st ed. 11/82 100pp
Update Notice 1 11/87 74pp

The BASIC Compiler manual describes how to use the BASIC Compiler.

C Programming Language
See HIGH C MANUALS or Workstation C Programmer's Guide

ClusterCard™ Technical Reference
Technician, Developer
1st ed. 6/87 42pp -
DHA-130

Contains a functional block level hardware description and a software interface summary for the ClusterCard. Also includes a description of ClusterCard diagnostic tests.

ClusterShare AutoBoot User's Guide
See CLUSTERSHARE USER'S MANUALS

CLUSTERSHARE™ MAIL MANUALS
ZTB-100

Getting Started with ClusterShare™ Mail
End User
1st ed. 9/87 20pp

Introduces Personal Computer users to the electronic mail environment. It provides step-by-step instructions for using the basic mail operations to create, send, file, open, reply to and discard messages.

ClusterShare™ Mail User's Guide
End User
1st ed. 9/87 150pp

Provides descriptions of all the ClusterShare mail operations and features, including step-by-step procedures. This guide assumes that you are already familiar with the basic ClusterShare mail operations. If you are not, refer to *Getting Started with ClusterShare Mail* before you use this guide.

ClusterShare™ SNA 3270 Terminal Emulator User's Guide
End User
1st ed. 12/87 41pp
DCA-140

Explains how to set up and use an IBM-PC (or compatible) as a terminal emulator that communicates with network-based applications, such as CICS and TSO. It includes instructions for software installation and batch-file configuration.

CLUSTERSHARE™ USER'S MANUALS
ZNB-100

ClusterShare™ AutoBoot™ User's Guide
End User, Administrator
1st ed. 12/87 68pp

Explains how to use, install, administer, and troubleshoot the AutoBoot feature of ClusterShare. (Continued)

**CLUSTERSHARE™ USER'S
MANUALS (continued)**

**ClusterShare™ User's Guide
End User**

1st ed. 6/87 104pp

Explains how to install the ClusterShare Service and the ClusterShare PC software, includes instructions for using the ClusterShare Utilities, and gives troubleshooting information.

**COBOL
See COBOL MANUALS
or HIGH PERFORMANCE
LEVEL II COBOL
MANUALS
or LPI COBOL**

**COBOL MANUALS
ZD-100**

**COBOL
Programmer
2nd ed. 4/82 466pp**

The COBOL manual provides detailed information on COBOL language syntax. It also describes how to use the COBOL Compiler and how to run COBOL programs.

**COBOL Animator
Programmer
1st ed. 3/83 49pp**

Describes how to use the Animator, a COBOL oriented debugger. Includes instructions on compiling a COBOL program for use with the Animator and lists Animator commands and subcommands.

**Color Monitor
Technician
2nd ed. 5/86 46pp
EN-090**

Service manual for the 15-inch color monitor (VC-002). Describes the major components and groups of circuitry and includes a step-by-step disassembly procedure.

**Context Manager™
End User, Administrator,
Programmer
2nd ed. 10/86 150pp
DT-600**

Describes how to use, install, configure, and troubleshoot the Context Manager. Also includes information on programming applications to run under CM.

**Context Manager/VM™
End User, Administrator,
Programmer
2nd ed. 5/87 250pp
DTA-140**

Provides step-by-step instructions on how to use the Context Manager, with or without Windows. Describes how to set up the Context Manager/VM and provides information for the programmer, such as procedural interfaces for the Context Manager and InterContext Message Server operations.

**CT-DBMS™ Manual
Administrator, Programmer
2nd ed. 12/85 337pp
DM-200**

Describes the CT-DBMS database management system including concepts, administration, maintenance, and procedural interface.

**CTIX™/386 Administrator's
Guide
Administrator
1st ed. 3/88 2 vols
DAC-340**

Discusses administration and maintenance procedures for a

CTIX/386 system, including how to use available commands and tools.

**CTIX™/386 Operating System
Manual
Programmer
1st ed. 6/87 4 vols.
Update Notice 1 3/88 575pp
DAC-300**

Complete, indexed reference to operating system commands, system calls, subroutines, and file formats. Shippable outside CT only in conjunction with customer-purchased software and license agreement.

**CTIX™/386 Operations Guide
End User, Administrator
1st ed. 3/88 235pp
Update Notice 1 6/88 92pp
DAC-330**

Provides an introduction to the CTIX/386 operating system and explains the proper procedures for setting up and maintaining a CTIX/386 system. Documents the new capabilities of the adman program to manage the functions that Remote File Sharing adds to the CTIX/386 operating system.

CTIX™/386 Programmer's Guide

Programmer
1st ed. 6/87 2 vols.
Supplement 9/87 264pp
DAC-320

Detailed explanation of standard SVR3 programming tools and operating system facilities. Shippable outside CT only in conjunction with customer-purchased software and license agreement. This product also includes the *Supplement* listed below.

CTIX™/386 Programmer's Guide Supplement

Programmer
1st ed. 9/87 264pp
DAC-321

Detailed explanation of programming topics not covered in the *Programmer's Guide*, including the CTIX/386 assembler.

— NEW —

CTIX™ Administration Tools Manual

End User, Administrator
2nd ed. (5/88) 212pp
DAC-210

Provides an introduction to system administration for CTIX

6.0 (and later releases) and explains how to use the administration tools to automate certain administration tasks. This manual and the appropriate CTIX administrator's reference manual provide a complete set of system administration instructions.

See also MIGHTYFRAME SERIES ADMINISTRATOR'S MANUALS

CTIX™ BASIC Interpreter and Compiler

Programmer
1st ed. 6/86 323pp
MB-100

Describes the BASIC language, the built-in editors with which source files can be created, and the use of both the interpreter and compiler to create and execute BASIC programs.

CTIX™ BSC 2780/3780 RJE Terminal Emulator Manual

End User, Administrator
1st ed. 4/85 115pp
Supplement 2/88 2pp
CM-278

Describes the daemon, configuration files, operational, maintenance, and line monitoring utilities, CTIX BSC device drivers, and the CTOS server

(S/1280 configurations only), which are components of the Terminal Emulator.

CTIX™ BSC 3270 Terminal Emulator Manual

End User, Administrator
1st ed. 4/85 97pp
CM-327

Describes the IBM Information Display System components emulated by the 3270, CTIX BSC device drivers and servers, and operational, maintenance, and line monitoring utilities.

CTIX™ BSC 3270 Terminal Emulator Manual

End User, Administrator
2nd ed. 2/88 100pp
DCC-140

Describes how to use, set up, and maintain the CTIX BSC 3270 Terminal Emulator software, which allows almost any standard ASCII terminal to emulate a 3270 display station. (S/MT; Server PC)

CTIX™ Enhanced FORTRAN and Pascal Debugger

Programmer
1st ed. 5/86 56pp
DDC-200

Describes the interactive execution and debugging of Enhanced FORTRAN and Pascal programs, including reference material on Debugger concepts and commands, and examples of Debugger sessions.

CTIX™ Forms

End User, Programmer
2nd ed. 7/85 180pp
MF-100

This manual describes how to use the Forms Editor to create and verify a form and how to write subroutine calls to use the form in CTIX applications. It also includes complete C and COBOL programming examples.

**CTIX™ FORTRAN
Programmer**
2nd ed. 4/86 283pp
MR-100

Functions as a reference and user's guide for both the standard and enhanced versions of CTIX FORTRAN.

**CTIX™ FORTRAN and Pascal
Debugger
Programmer**
1st ed. 5/86 60pp
MR-200

Describes interactive execution and debugging of standard FORTRAN and Pascal programs, including reference material on Debugger concepts and commands and examples of Debugger sessions.

**CTIX™ Internetworking
End User, Administrator,
Programmer**
Prelim. 6/86 282pp
DNC-120

Functions as a tutorial and reference guide for users, administrator, and programmers. Describes CTIX internetworking concepts, how to use network commands, and how to set up and manage a network.

**CTIX™ ISAM
Administrator, Programmer**
1st ed. 7/84 65pp
MI-200

Documents the CTIX ISAM software package. It provides a tutorial on writing ISAM applications, describes ISAM procedures, and presents information about utilities designed for ISAM maintenance.

**CTIX™ Network
Administrator's Guide
Administrator**
1st ed. 1/88 166pp
DNC-180

The *CTIX Network Administrator's Guide* describes how to set up and manage networks on CTIX systems. It is intended for a variety of audiences, from novice to experienced administrators. Use the guide in conjunction with your *S/MT Series Administrator's Reference*.

**CTIX™ Operating System
(Version A)
Programmer**
3rd ed. 12/84 2 vols.
MN-101

Describes the commands, system calls, libraries, data files, and device interface that make up the CTIX operating system.

**CTIX™ Operating System
(Version B)
Programmer**
1st ed. 5/86 2 vols.
Update Notice 1 5/86 406pp
DAC-100

This 2-volume set describes the commands, system calls, libraries, data files, and device interface that make up the CTIX operating system.

**CTIX™ Operating System
Manual (Version C)
Programmer**
1st ed. 9/87 4 vols.
DAC-200

This 4-volume set describes the commands, system calls, libraries, data files, and device interface that make up the CTIX operating system.

**CTIX™ Pascal
Programmer**
2nd ed. 5/86 243pp
MP-100

Complete reference for both the standard and enhanced versions of CTIX Pascal. It is also a

user's guide for writing, translating, linking, and executing Pascal programs.

**CTIX™ SNA 3270 Terminal
Emulator Manual
Administrator, End User**
1st ed. 12/85 168pp
Supplement 3/88 3pp
ME-327

Outlines the features and functions of the SNA 3270 Terminal Emulator for the CTIX operating system. Provides detailed instructions for using, installing, configuring, and troubleshooting the Emulator software.

**- NEW -
CTIX™ SNA LU Type 6.2
APPC Server Manual
Developer, Programmer,
Administrator**
1st ed. 7/88 176pp
DCC-113

Describes the programmatic interface of the CTIX SNA LU Type 6.2 APPC Server and also provides detailed configuration information.

CTIX™ SNA Network Gateway Manual

Administrator

1st ed. 3/86 122pp
Supplement 3/88 5pp
DCC-110

Provides technical information and operation procedures for the installation, configuration, operation, and maintenance of a CTIX SNA Network Gateway. Also defines IBM SNA general concepts and describes the Gateway components.

— NEW —

CTIX™ SNA PU Type 2.1 Network Gateway Manual

Administrator

1st ed. 9/88 146pp
DCC-112

Provides a complete description of the Gateway along with installation, configuration, operation, maintenance, and troubleshooting procedures designed to aid the administrator.

CTIX™ SNA RJE

Administrator, Operator, Programmer

1st ed. 10/86 107pp
DCC-130

Describes the SNA RJE subsystem. Describes user interface features for user-defined

RJE application systems. (S/MT Series)

CTIX™ TCP/IP Networking Programmer

1st ed. 3/85 40pp
MI-300

This manual documents the CTIX TCP/IP networking packages, collections of programs that support networking on CTIX-based systems. (MiniFrame only)

CTIX™ SNA RJE

End User, Programmer, Administrator

2nd ed. 2/88 100pp
DCC-131

Describes the SNA RJE subsystem. Describes user interface features for user-defined RJE application systems. (Server PC)

CTIX™ X.25 Network Gateway Administrator, Programmers

1st ed. 10/87 287pp
DNC-160

Describes how to set up and maintain the X.25 Network Gateway on CTIX systems. For programmers, the manual

also gives instructions for creating user application programs to run in conjunction with the Gateway. The Gateway is a software product that enables users of S/MT and Server PC systems to participate in packet-switching, wide area networks.

CTIX™ X.25 Terminal/Host Adapter

End User, Administrator

1st ed. 11/87 197pp
DNC-170

When used with the CTIX X.25 Network Gateway, enables communication between a CTIX system and a host computer on an X.25 public data network. The manual describes how to set up and maintain its two components, the PAD and the Host Adapter, on CTIX systems.

CT-MAIL™ ADMINISTRATOR'S MANUALS

ZTA-120

CT-MAIL™ Administrator's Reference

Administrator

5th ed. 9/87 2 vols.

Provides the administrator with instructions for installing, configuring, and maintaining the

CT-MAIL electronic mail system.

Modem Server Reference

Administrator, Programmer

1st ed. 2/86 188pp

Describes the configuration, installation, maintenance, and programmatic interface of the Modem Server.

CT-MAIL™ Programmer's Reference Manual

Programmer

1st ed. 1/85 110pp
DT-401

Describes the procedural interfaces to three CT-MAIL subsystems: The Mail Server, the Message Facilities, and the Modem Server. Includes troubleshooting and programming examples.

CT-MAIL™ Terminal User's Guide

End User

Prelim. 10/84 72pp
DT-420

Describes equipment setup, signing on, creating, sending, receiving and filing mail messages from a remote terminal.

**CT-MAIL™ USER'S
MANUALS**
ZTA-100

**Getting Started with
CT-MAIL™**

End User
1st ed. 9/87 21pp

Introduces the first-time user to the CT-MAIL electronic mail system. It provides step-by-step instructions for using the basic CT-MAIL operations to create, send, file, open, reply to and discard messages.

CT-MAIL™ User's Guide

End User
4th ed. 10/87 162pp

Provides descriptions of all the CT-MAIL operations and features, including step-by-step procedures. This guide assumes that you are already familiar with the basic CT-MAIL operations. If you are not, refer to *Getting Started with CT-MAIL* before you use this guide.

CT-Net™ Reference

Administrator, Programmer
2nd ed. 2/86 299pp
DJ-600

Provides information for administrators on installing, configuring, maintaining, and

monitoring their local nodes, and on communicating with remote nodes.

— *NEW* —

**CTOS™ Office Applications
Programmer's Guide**

Developer, Programmer
1st ed. 7/88 269pp
DAA-145

Explains how to write software applications that interface directly with Convergent applications. Includes Context Manager, Document Designer, Art/Chart Designer, Business Graphics, and Extended Multiplan.

CTOS 9.9 and CTOS/VM
See CTOS/VM titles

**CTOS™ Operating System
Programmer**

4th ed. 12/83 473pp
DA-100

Describes the CTOS Operating System concepts and operations. Topics include parameters, I/O memory, messages, timers, system services, virtual code, and interrupts. Additionally, it contains the system structure formats. (S/1280 only)

**CTOS Programmer's Guide
Programmer**

6th ed. 4/88 295pp
DAA-160

Describes how to program under the CTOS Operating System. Reader-selected topics include stack and calling conventions, customizing byte streams and writing interrupt handlers.

**CTOS™ System
Administrator's Guide
Administrator**

1st ed. 10/87 741pp
Update Notice 1 4/88 123pp
DAA-115

Describes the administrative aspects of the CTOS and CTOS/VM operating systems. Topics include setting up various operating system types, installing system services, adding application software, and installing peripheral devices. In addition the manual describes SRP and workstation configuration, system protection, nationalization, and operating system customization (SysGen).

**CTOS/VM™ Concepts
Programmer**

1st ed. rev. 9/88 774pp
DAA-100

Describes the following operating systems: CTOS/VM (protected mode) and CTOS (real mode) for workstations, and CTOS/SRP (real mode) for Shared Resource Processors. Topics include parameters, I/O, memory, messages, timers, system services, virtual code, interrupts, and administration.

**CTOS/VM™ Reference
Programmer**

1st ed. 3/87 725pp
Update Notice 1 10/87 384pp
Update Notice 2 5/88 436pp
DAA-110

Together with *CTOS/VM Concepts*, describes each operation contained in the System Image and in the standard object module library, CTOS.lib, for the CTOS/VM, CTOS, and CTOS/SRP operating systems. Also contains the format of each system structure.

**CWS™ Hardware
Technician, Developer**
1st ed. 5/85 208pp
CW-100

Describes operation and installation procedures for the CWS workstation, as well as its architecture, software interfaces, theory of operation, external interfaces, and hardware specifications.

— **NEW** —
**Debugger Training Package
Programmer**
5th ed. 9/88 275pp; diskette
ZAA-300

Describes how to use the Debugger commands to debug programs on real and protected mode operating systems. The manual provides hands-on exercises in using the commands as well as debugging tips. Experience with systems or applications programming is assumed, and some familiarity with the Intel 80x86 instruction sets is recommended.

**DOCUMENT DESIGNER™
MANUALS**
ZTA-300

**Document Designer: Office
Publishing**
End User
1st ed. 4/88 150pp

This book explains the publishing features of Document Designer, including fonts, columns, integration of graphics into text, footnotes, table of contents, cross-references, outline processing, and voice annotations. Familiarity with the basics of Document Designer is essential (see *Document Designer: Word Processing*).

**Document Designer™ Quick
Reference Card**
End User
1st ed. 5/88 2pp folded

**Document Designer:™ System
Administration**
Administrator
1st ed. 3/88 78pp

Describes how to set up Document Designer and customize it to suit individual users' needs. It also includes

information on how to maintain a Document Designer installation, how to transfer documents between systems, as well as how to troubleshoot certain common problems.

**Document Designer:™
Time-Saving Tools**
End User
1st ed. 4/88 137pp

Describes features of Document Designer that help you save time and work more efficiently. It provides step-by-step procedures and reference information on how to use phrases, create predefined forms, produce customized form letters, sort and select entries from a list, create mailing labels, use macros, and perform mathematical calculations. To use this book, you must already be familiar with the word processing features of Document Designer.

**Document Designer:™ Word
Processing**
End User
1st ed. 3/88 164pp

This book provides step-by-step procedures and reference information on the following word processing tasks: creating, edit-

ing, and formatting documents; searching and replacing text; checking for spelling errors; and reviewing and printing documents. This book assumes that you are already familiar with basic word processing tasks, such as moving the cursor and entering text. If you are not, refer to *Getting Started with Document Designer: Word Processing* before you use this book.

**Getting Started with Document
Designer:™ Office Publishing**
End User
2nd ed. 8/87 60pp

Provides step-by-step instruction on how to use the Document Designer to integrate spreadsheets, pie charts, and Art Designer objects into word processed text; to assign fonts and set type sizes; and to work with text that has multiple objects.

**Getting Started with Document
Designer:™ Word Processing**
End User
3rd ed. 3/88 51pp

Explains how to use basic Document Designer commands to create a sample letter.

Document Interchange Management System
End User, Administrator
1st ed. 12/87 137pp
DNA-210

Describes how to use the Document Content Translation Manager to translate a Document Designer document into a format called Revisable Form Text, which can be used by many other word processing systems. It also describes how to use the Document Interchange Manager to exchange formatted documents with users in a DISOSS network. Instructions for setting up the network, maintaining network users, and troubleshooting are also included.

Dual Floppy Disk
Technician, Developer
2nd ed. 6/84 134pp
Update Notice 1 6/86 61pp
EN-020

Describes the architecture, software interfaces, theory of operation, external interfaces, and hardware specifications for the disk drives and controller in the Ngen floppy disk module. It also contains drive specifications as published by the drive vendors.

Editor
See EXECUTIVE MANUALS

Enhanced BSC 3270 Emulator
End User, Programmer, Administrator
1st ed. 3/84 100pp
DJ-700

Describes the operation of the CRT and printer subsystems for the end user, installation instructions for the systems administrator, and a description of the Control Unit Emulator for the programmer.

— N E W —
Enhanced Video Supplement
Technician, Developer, Programmer
1st ed. 6/88 19pp
DHA-148

Supplements the *Processor: Model CP-002* and *Processor: Model CP-003* manuals. Explains the differences between the existing I/O Video portion of the CP-002 and CP-003 processor and the CP-0A2 and CP-0A3 Enhanced Video processors.

Ethernet Controller
Technician, Developer
Prelim ed. 12/86 117pp
EN-120

Describes the architecture, software interfaces, theory of operation, external interfaces, hardware specifications for the NGEN Ethernet Controller module.

EXECUTIVE MANUALS
ZAA-100

Asynchronous Terminal Emulator Manual
End User, Administrator
2nd ed. 3/85 100pp
Update Notice 1 9/87 53pp

Describes how to use ATE to transfer files, access a wire service and troubleshoot a serial printer. Provides detailed instructions on how to run, alter and troubleshoot ATE including creating a script file and a description of protocols.

Editor
Programmer
5th ed. 10/87 140pp

Describes how to use the Editor to create or modify an ASCII text file.

Executive
End User, Administrator, Programmer
4th ed. 3/87 450pp
Update Notice 1 9/87 86pp
Update Notice 2 4/88 48pp

Addresses command execution, file management and protection, and program invocation. Also provides descriptions and details about parameter fields for Executive commands.

— N E W —
Executive User's Guide
End User, Administrator, Programmer
1st ed. (8/88) 130pp
DAA-125

Introduces the most commonly used Executive utilities and features. It provides step-by-step procedures for performing many tasks, such as copying files, backing up disks, and creating macrocommands. This guide also includes detailed information about using the file system.

**EXTENDED MULTIPLAN™
MANUALS**
ZTA-250

**Extended Multiplan™ Reference
End User**
2nd ed. 5/88 412pp

Describes all aspects of each command, function, and option contained in the Extended Multiplan software. First, you learn about the screen and the keyboard, then each command is described (in alphabetical order) and finally all functions are defined (also in alphabetical order).

**Extended Multiplan™ User's
Guide**
End User
2nd ed. 5/88 186pp

Contains thorough, step-by-step procedures that show you how to create, edit, print, and save worksheets in Extended Multiplan.

**Getting Started with Extended
Multiplan™**
End User
1st ed. 9/85 23pp

Introduces you to Extended Multiplan by teaching you how to create a sample budget. You

learn how to enter text and numbers, get online help, and save your work.

**Floppy/Hard Disk
Technician, Developer**

2nd ed. 6/86 282pp
Update Notice 1 2/85 46pp
Update Notice 2 4/85 45pp
Update Notice 3 6/86 78pp
EN-100

Describes the architecture, software interfaces, theory of operation, external interfaces, and hardware specification for the disk drives and controllers in the Floppy/ Hard Disk module. It also contains hardware specifications for the disk drives as published by the drive vendors.

**Font Designer
Programmer**
2nd ed. 2/84 49pp
DT-150

Describes how to design a new character set for display on a workstation monitor. The Font Designer produces vector fonts, as opposed to the raster fonts that are produced with the Raster and Icon Font Designer.

**Forms
Programmer**
1st ed. 12/80 108pp
DM-100

Describes how to use the Forms Editor, and how to interactively design and edit forms. Also included is a description of how the Forms run time is called from an application program to display forms and accept user input.

**FORTRAN
Programmer**
1st ed. 3/81 123pp
DD-150

The FORTRAN manual describes the FORTRAN language syntax and includes instructions for using the FORTRAN Compiler in the CTOS environment. Additional topics include how to compile and link FORTRAN programs and how to configure FORTRAN with non-FORTRAN procedures.

**FORTRAN-86
Programmer**
2nd ed. 12/85 355pp
DD-160

Describes the FORTRAN-86 language syntax and includes instructions for using the FORTRAN-86 compiler in the CTOS environment.

**- NEW -
GC-102 Technical Reference
Manual**
Technician, Developer,
Programmer
1st ed. 8/88 36pp
DHA-135

Documents the GC-102 Video Controller board. Information includes a description of major components, specifications, interconnect wirelist, functional description, and software interfaces. Use with the *Series 286i Hardware Manual* and the *Series 386i Technical Reference Manual*.

**Generic Print System
Programmer's Guide**
Programmer
1st ed. 7/86 205pp
DA-180

It's a guide for writing applications that use the Generic Print System or the Generic Print Access Method. It includes descriptions of the Generic Print System and the Generic Print Access Method operations.

**Getting Started with
ClusterShare Mail**
See CLUSTERSHARE MAIL
MANUALS

Getting Started with CT-MAIL
See CT-MAIL USER'S
MANUALS

**Getting Started with Document
Designer: Office Publishing**
See DOCUMENT DESIGNER
MANUALS

**Getting Started with Document
Designer: Word Processing**
See DOCUMENT DESIGNER
MANUALS

Getting Started with Drawings
See ART DESIGNER
MANUALS

**Getting Started with Extended
Multiplan**
See EXTENDED MULTIPLAN
MANUALS

**Getting Started with Your
Workstation**
End User
1st ed. (5/88) 61 pp; diskette
ZAA-250

Teaches new users the basics
about using a workstation. It
includes a diskette and a book-

let with step-by-step lessons for
installing a software application,
using an application, using
Context Manager, performing
Executive commands, using the
mouse, and more.

**Graphics Controller: Model
GC-001**
Technician, Developer
1st ed. 12/84 117pp
EN-110

Describes the architecture, soft-
ware interfaces, theory of
operation, external interfaces,
and hardware specifications for
the GC-001 model NGEN
Graphics Controller module.

**Graphics Controller: Model
GC-003**
Technician, Developer
1st ed. 6/86 91pp
GC-103 Supplement 4/88 1p
DGA-220

Provides instructions for
installing model GC-003 of the
Graphics Controller Module.
Also provides the functional
description and theory of opera-
tion for the module, and
describes software interfaces
and external interfaces.
Supplement covers the GC-103
card.

Graphics Programmer's Guide
Programmer
2nd ed. 8/86 396pp
DT-301

Describes the graphics library
procedures for applications and
systems programmers. In addi-
tion to an alphabetic reference
section describing all graphics
procedures, the manual includes
annotated program examples
that explain important graphics
concepts and show typical se-
quences of procedure calls.

**Graphics Terminal Font
Designer**
End User, Programmer
Prelim 9/84 30pp
GT-400

Describes how to use the
Graphics Terminal Font
Designer package to create,
edit, and load fonts.

Graphics Terminal Hardware
Technician, Developer
1st ed. 1/85 65pp
GT-300

Contains the functional descrip-
tion, theory of operation, and
software interface definition for
the Graphics Terminal; it also

contains specifications and
bootstrap error codes.

Graphics Terminal Installation
Technician, Administrator
1st ed. 5/84 30pp
GT-200

Describes procedures for install-
ing Graphics Terminals and
connecting terminals and
peripherals. Also contains
cable specifications and error
codes.

Graphics Terminal™
Programmer's Guide
Programmer
Prelim. 8/84 65pp
GT-150

Describes the terminal's boot
ROM software and its program-
mable functions, including text
and graphic displays, soft fonts,
window management, local
field editing functions, and
terminal-to-host communica-
tions.

GW-BASIC
See also PC EMULATOR
MANUALS

GW™-BASIC Operations Guide

Programmer
1st ed. 10/83 47pp
DO-350

Describes how to use the GW-BASIC interpreter and compiler and cites important differences between these software products. Topics include command line syntax and procedures for calling assembly language subroutines.

GW™-BASIC Reference Programmer

1st ed. 10/83 300pp
DO-351

Describes the GW-BASIC language syntax and includes instructions for using the GW-BASIC editor. Detailed descriptions with examples are provided for each GW-BASIC command, statement, and function.

Hard Disk Upgrades and Expansions

Technician, Developer
1st ed. 8/84 108pp
EN-170

Describes the architecture, software interfaces, theory of operation, external interfaces

and hardware specifications of the Disk Upgrade and Disk Expansion Modules. Drive specifications, as published by the vendors, are available as separate publication. Together with this manual, these OEM specifications complete the drive interface documentation.

**- NEW -
HIGH C™ MANUALS
ZDA-200**

High C Language Reference Programmer
1st ed. 9/88 220pp

Answers all machine-dependent questions about the C programming language. Topics include declarations, statements, and language extensions. Familiarity with the C language is assumed; readers are referred to the Kernighan and Ritchie text for an introduction to the language.

High C Library Reference Programmer
1st ed. 9/88 200pp

Describes the organization of the High C library and presents each library module description alphabetically.

High C Programmer's Guide Programmer

1st ed. 9/88 194pp

Describes how to compile, link, and run programs written in High C under CTOS. Topics include how to create new commands, how to use memory models, and how to use the compiler toggles and meta-commands to enhance program performance.

**HIGH PERFORMANCE
LEVEL II COBOL™
MANUALS
ZDA-100**

High Performance LEVEL II COBOL™ Operating Guide (Microfocus)

Programmer
1st ed. (6/88) 67pp

Provides detailed material on compiler operation. This Microfocus manual must be used in conjunction with *Introduction to LEVEL II COBOL*, which provides information specific to the CTOS environment.

High Performance LEVEL II COBOL™ Error Messages (Microfocus)

Programmer
1st ed. (6/88) 75pp

Provides a list of compiler error messages. Bound with *High Performance LEVEL II COBOL Operating Guide*.

High Performance LEVEL II COBOL™ Pocket Guide (Microfocus)

Programmer
1st ed. (6/88) 67pp

Provides a quick reference to error information, language definition and syntax summary, and directives.

Introduction to LEVEL II COBOL™

Programmer
1st ed. 5/88 133pp

Describes compiling and running a LEVEL II COBOL program in the CTOS environment. Also provides information on making CTOS calls and customizing the run-time system. Documents the LEVEL II COBOL Animator.

(Continued)

**HIGH PERFORMANCE
LEVEL II COBOL™
MANUALS (continued)**

**LEVEL II COBOL™ Language
Reference (Microfocus)
Programmer**
1st ed. (6/88) 543pp

Provides detailed information on the LEVEL II COBOL programming language syntax. It describes COBOL concepts, input/output functions, segmentation, and communication facilities. It also includes information on programming techniques and program sizing. Extensions to the ANSI standard are included.

**HSD-140 Technical Reference
Technician, Developer,
Programmer**
1st ed. 5/88 50pp
DHA-206

Documents the HSD-140 SCSI hard disk upgrade module. Information includes a description of major components, specifications, interconnect wirelist, functional description, and software interfaces. Use

with the *SCSI Upgrades and Expansions Manual*.

**- NEW -
HSD-320 Technical Reference
Technician, Developer,
Programmer**
1st ed. 8/88 51pp
DHA-212

Documents the HSD-320 SCSI hard disk upgrade module. Information includes a description of major components, specifications, interconnect wirelist, functional description, and software interfaces. Use with the *SCSI Upgrades and Expansions Manual*.

**HSX-020 Technical Reference
Technician, Developer**
1st ed. 12/87 20pp
DHA-202

Documents the HSX-020 SCSI hard disk expansion module. Information includes a description of major components, SCSI ID cable connection, specifications, and an interconnect wirelist. Use with the *SCSI Upgrades and Expansions Manual*.

**HSX-140 Technical Reference
Technician, Developer**
1st ed. 12/87 20pp
DHA-205

Documents the HSX-140 SCSI hard disk expansion module. Information includes a description of major components, SCSI ID cable connection, specifications, and an interconnect wirelist. Use with the *SCSI Upgrades and Expansions Manual*.

**- NEW -
HSX-320 Technical Reference
Technician, Developer**
1st ed. 8/88 26pp
DHA-204

Documents the HSX-320 SCSI hard disk expansion module. Information includes a description of major components, SCSI ID cable connection, specifications, and an interconnect wirelist. Use with the *SCSI Upgrades and Expansions Manual*.

**iAPX 186 High Integration
16-Bit Microprocessor (Intel)
Technician, Developer**
EN-140

Describes the architecture of the 80186 microprocessor.

**iAPX 286 Programmer's
Reference (Intel)
Programmer**
1st 8/85 400pp
EN-240

Describes the iAPX 286 architecture. It includes sections on the base architecture and instruction set, real address mode, memory management, protection, and interrupts. There is also a section on advanced topics.

**Image Designer™
End User, Administrator**
1st ed. 5/88 144pp
DTA-600

Shows readers how to use Image Designer, a scanning product. Readers learn how to scan, edit, file, and print images. Material is presented in step-by-step lessons and in an alphabetical reference section that describes each tool and feature. The manual is written for all readers, from first timers to those who have experience with Image Designer. It also includes a chapter for administrators, which describes how to set up Image Designer to work with cooperating programs.

Introduction to the PC Emulator
See PC EMULATOR MANUALS

ISAM
Programmer, Administrator
2nd ed. 8/83 372pp
Update Notice 1 11/87 81pp
DM-110

Explains the single-user and multi-user indexed, sequential access methods as well as specifies the procedural interfaces (and how to call them from various languages) and the utilities.

KEYBOARD/MOUSE MANUALS
ZN-200

Keyboard
Technician, Developer
1st ed. 12/83 45pp

Describes the architecture, theory of operation, and external interfaces for the NGEN keyboard.

Mouse Hardware
Technician, Developer
1st ed. 05/85 32pp

Describes the architecture, software interfaces, theory of operation, external interfaces,

and hardware specifications of the NGEN mouse.

LEVEL II COBOL
See HIGH PERFORMANCE LEVEL II COBOL MANUALS

Linker/Librarian
See PROGRAMMING TOOLS MANUALS

LPI-COBOL MANUALS
ZDC-100

LPI-COBOL Language Reference

Programmer
1st ed. 9/86 269pp

Describes the COBOL language as implemented by Language Reference, Inc. It is a complete reference that describes the syntax for COBOL features as implemented in the 4 COBOL divisions.

LPI-COBOL User's Guide
Programmer
1st ed. 9/86 30pp

Describes how to compile, link, load, debug, and run LPI-COBOL programs in the S/Series CTIX environment.

LPI-DEBUG Reference
Programmer
1st ed. 10/86 81pp
DDC-111

Explains the interactive source-level debugging capability for LPI-COBOL and describes the use of LPI-COBOL on your system.

MegaFrame
See also S/1280

MegaFrame™ CTIX™ Administration Tools
Administrator
Prelim ed. 6/86 169pp
DAC-160

Describes how to administer a MegaFrame CTIX system using the CTIX administrative tools software package and without using CTIX Shell commands.

MegaFrame™ CTIX™ Operating System
Administrator, Programmer, End User
1st ed. 4/86 2 vols.
DAC-140

This double-volume set describes the CTIX operating

system, which is derived from the UNIX System V operating system. It describes CTIX commands, application programs, system calls, library subroutines, special files, file formats, games, miscellaneous facilities, and system maintenance procedures. It is the starting point for detailed information about CTIX features.

MegaFrame™ CTIX™ SNA RJE
Administrator
Engineering Update 6/87
DCC-120

MegaFrame™ Hardware
Technician, Developer
Prelim ed. 7/86
Vol 1: 311pp
31Vol 2: 290pp
DHC-200

Contains the theory of operation and software interface for all of the boards used in the MegaFrame S/1280 computer system. The Quarter-Inch Cartridge Interface board is also described.

MegaFrame™ ISAM
Administrator, Programmer
1st ed. 12/83 84pp
MI-100

Describes the Indexed Sequential Access Method (ISAM) that runs on the MegaFrame computer system. It provides information on ISAM procedures, utilities, and server installation.

MegaFrame™ Multibus Adapter
Technician, Administrator
2nd ed. 6/86 133pp
MA-200

Explains theory of operation, bus structure, software interface, and circuitry of the Multibus adapter. It also describes how to install the adapter and run diagnostic tests.

MegaFrame™ Multibus Ethernet Card
Technician, Administrator
1st ed. 6/86 193pp
DHC-210

Describes how to install this card with the MegaFrame Multibus Adapter and how to set up an Ethernet network. It also contains the software interface definition and the OEM manual for the Ethernet Card.

(MegaFrame™) Sort/Merge
Programmer
1st ed. 8/83 25pp
MS-100

Describes how to use the Sort/Merge package to sort records by one or more key fields and merge and then how to merge those sorted records. It provides examples of programs in BASIC, C, and COBOL that call Sort/Merge procedures. *(It covers all S/Series CTIX systems, not just the MegaFrame.)*

MegaFrame™ Quarter-Inch Cartridge Tape Upgrade
Administrator, Technician
1st ed. 6/85 17pp
MQ-100

Explains the prerequisites and the procedures for installing the Quarter-Inch Cartridge Tape upgrade in a MegaFrame computer system.

Merge 386™ User's Manual
End user, Administrator
1st ed. 7/87 388pp
Update Notice 1. 3/88 63pp
DAC-310

Instructions for installing, setting up, using, and maintaining the Merge 386

software, which runs DOS programs in a CTIX/386 environment.

Micropolis Model 1325
(Micropolis)
Technician, Developer
1st ed. 9/85
EN-178

Describes the disk drive specifications as published by the vendor. Together with the *Hard Disk Upgrades and Expansions* manual, it describes the drive interface.

MightyFrame
See also S/MT

MightyFrame™ Peripherals
Technician, Developer
1st ed. 11/85 203pp
DHC-140

OEM manuals for S/MT Series peripherals.

MIGHTYFRAME™ SERIES ADMINISTRATOR'S MANUALS
DAC-110

CTIX™ Administration Tools
Administrator
Prelim. 5/86 150pp

Provides an introduction to CTIX system administration and explains how to use the system administration tools to automate certain administration tasks. This manual and the appropriate CTIX administrator's reference provide a complete set of system administration instructions.

MightyFrame™ Series Administrator's Reference
Administrator
1st ed. 5/86 416pp
Supplement 6/88 9pp

Defines the responsibilities of an S/MT Series system administrator and provides procedures for the administrator to follow. The manual explains the concepts an administrator must understand to maintain an S/MT Series computer system, including user support, CTIX modes, CTIX file systems, peripheral devices, and troubleshooting procedures.

**MightyFrame™ VME Ethernet
Controller Card**

Engineer, Technician
1st ed. 6/86 70pp
DHC-145

Contains installation and detailed technical information, including software interfaces and the theory of operation, for the VME Ethernet Controller Card. Instructions for installing an Ethernet network can also be found in this manual.

Modem Server Reference

Administrator, Programmer
1st ed. 2/86 188pp
DJ-601

Describes the configuration, installation, maintenance, and programmatic interface of the Modem Server.

Monochrome Monitors

Technician, Developer
2nd ed. 2/86 49pp
EN-180

Explains the operation and connections of the Standard and High Resolution Monochrome Monitors used with the NGEN workstation.

Mouse Hardware

*See KEYBOARD/MOUSE
MANUALS*

Mouse Services

Programmer
1st ed. 03/87 74pp
DGA-230

Explains the object module library and the end-user commands for Mouse Services.

**MS™-DOS, Version 2, Macro
Assembler (Microsoft)**

Programmer
1983
DO-121

Describes the Microsoft Macro Assembly Utility, Linker Utility, Library Manager, Cross-Reference Utility, and Debugger. Includes utility programs used for developing assembly language programs.

**MS™-DOS, Version 2,
Programmer's Reference
(Microsoft)**

Programmer
1983
DO-122

Contains a description and examples of all MS-DOS 2.0 system calls and interrupts; describes how to install your own device drives; explains disk allocation, MS-DOS control blocks and work areas, and EXE file structure and loading.

**MS™-DOS, Version 2, User's
Guide (Microsoft)**

End User, Programmer
1983
DO-120

Describes MS-DOS and how to use it; introduces basic MS-DOS concepts; discusses how to start using MS-DOS and how to format and back up disks.

MS-DOS, Version 3.3

*See PC EMULATOR
MANUALS*

Multiline Port Expander

Technician, Developer
1st ed. 5/85 229pp
EN-200

Describes the architecture, software interfaces, theory of operation, external interfaces, and hardware specifications for the NGEN Multiline Port Expander Module.

**MULTIMODE TERMINAL
EMULATOR MANUALS**

ZCA-300

**Multimode Terminal Emulator
Reference Manual**

Programmer, Administrator
1st ed. 6/82 162pp

Used with the Multimode Terminal User's Guide, this manual provides detailed information on controlling the Multimode Terminator Emulator module (MTE) functions and configuring MTE for specific applications.

**Multimode Terminal Emulator
User's Guide**

End User
1st ed. 06/82 178pp

Introduces the Multimode Terminal Emulator module (MTE) and describes the MTE video display, keyboard, display memory, and advanced operations for the X.25 communications option.

Multiplex PC/Host Database Link (Network Innovations)

End User
1st ed. 12/86 430pp
DNC-100

Provides a guide for the new user. It assumes no familiarity with data processing or database management, and it provides examples based on the demonstration database supplied with the software.

Network PC™ Technical Reference

Technician, Developer
1st ed. 09/87 309pp
DHB-400

Provides information on the theory of operation and the software interfaces for this system. It also includes information on installing expansion and upgrade options and setting up various system configurations.

Network PC™ User's Guide

End User
2nd ed. 09/87 114pp
DHB-420

Explains how to upgrade, install, and set up the 286 and 386 versions of the Network PC, an AT-compatible personal computer. Use this manual to install expansion cards, disk

drives, memory upgrades, and the 386 Turbo Board Upgrade.

NGEN™ Installation Guide

End User
2nd ed. 2/88 85pp
DHA-105

Introduces the NGEN workstation and gives step-by-step installation instructions. Includes information on installing memory expansion cards, attaching devices. It also includes information on workstation maintenance, and troubleshooting.

Office Publishing

See DOCUMENT DESIGNER MANUALS

Operator

See Using the Operator

Pascal

Programmer
3rd ed. 9/84 191pp
Update Notice 1 11/87 197pp
DP-200

Describes the Pascal programming language. It provides specific information for using the compiler and on using Pascal to make CTOS calls.

PC EMULATOR™ MANUALS
ZAB-100

Introduction to the PC Emulator™

End User
1st ed. 7/87 35pp

Describes how the PC Emulator package allows workstations to emulate an IBM PC AT running in Real mode by describing pseudovolumes and how to use the MS-DOS Read, Write, and Size PSV utilities. It also contains step-by-step procedures for using the MS-DOS disk and Format utilities.

MS™-DOS User's Guide 3.2

End User
1st ed. 6/87 46pp

Introduction to the basics of MS-DOS. It describes starting and stopping MS-DOS, using commands, disks, files, and running a program.

MS™-DOS 3.2 User's Reference

End User
1st ed. 6/87 340pp

Provides detailed material on the MS-DOS commands. It describes using commands, multi-level directories, batch files, the line editor (edlin), the file comparison utility, linking and

debugging programs, and lists error messages.

PC Emulator™ Hardware Technician, Developer

Prelim 11/87 84pp
DHA-110

Describes the software interface and theory of operation for the NGEN PC-001 module.

- NEW -

PC EMULATOR™ MANUALS
ZAB-100

GW-BASIC® Interpreter User's Guide: Version 3.2

1st ed. 7/88 143pp

Provides basic information for using the GW-BASIC Interpreter. Assumes familiarity with the MS-DOS operating system and does not attempt to teach GW-BASIC. Describes creating and using files, constants, variables, expression, and operators. Also includes information about error codes, mathematical functions, assembly language subroutines, and communications. (Continued)

PC EMULATOR™ MANUALS
(continued)

GW-BASIC® Interpreter
User's Reference: Version 3.2
1st ed. 7/88 279pp

Describes the GW-BASIC language syntax. Gives detailed descriptions for each GW-BASIC command, statement, and function.

Introduction to the PC Emulator™
End User
1st ed. 7/87 35pp

Describes how the PC Emulator allows workstations to emulate an IBM PC AT running in real mode by describing pseudo-volumes and how to use the MS-DOS Read, Write, and Size PSV utilities. It also contains step-by-step procedures for using the MS-DOS disk and Format utilities.

MS-DOS® User's Guide:
Version 3.3
End User
1st ed. 7/88 66pp

Provides an introduction to the basics of MS-DOS. It describes starting and stopping MS-DOS, using commands, disks, files, and running a program.

MS-DOS® User's Reference:
Version 3.3
End User, Programmer
1st ed. 7/88 399pp

Provides detailed material on the MS-DOS commands. It describes using commands, multi-level directories, batch files, the line editor (edlin), the file comparison utility, linking and debugging programs, and lists error messages.

PC Exchange™/VINES™
Network Installation Guide
Administrator
1st ed. 6/87 124pp
Update Notice 1 12/87
DNC-110

Instructions for installing the PC Exchange software on the server and bringing up the network for the first time. Also covers hardware and software aspects of setting up PCs on the network. Intended for experienced users and system administrators.

PC Exchange™/VINES™
Network Manager's Guide
Administrator
1st ed. 6/87 510pp
Update Notice 1 12/87 48pp
DNC-150

Explains how to set up and maintain a PC Exchange network. Covers administration of users, PC software, network file volumes, electronic mail, shared printers, communications, and other network services. Intended for experienced users and system administrators.

PC Exchange™/VINES™
Network User's Guide
End User
1st ed. 6/87 276pp
Update Notice 1 12/87 24pp
DNC-140

Complete instructions for the PC Exchange user, how to log in, what facilities the network provides, and how to gain access to network facilities. Assumes the reader is familiar with using DOS PCs.

Phone Memo Manager™
End User
1st ed. 2/87 96pp
DTA-430

Provides step-by-step instructions on how to create, send,

discard, and log phone messages. Also describes additional features and contains a reference section that explains the concepts of the software.

PrintGen
Programmer
Engineering Update 8/88
DAA-170

For the programmer who wants to use PrintGen to create a customized printer device driver. It describes the structure of a device driver and discusses character translation and fonts, page orientation, error handling, linking and debugging. It also includes examples and documents operations and date structures.

Printing Guide
End User, Administrator
2nd ed. 3/88 460pp
DA-170

Shows you how to install printing devices on standalone and clustered workstations. It describes how to use the Print Manager, the interface to the Generic Print System (GPS). Troubleshooting tips are also contained in this manual.

Processor: Model CP-001-9
Technician, Developer
1st ed. 12/85 2 vols.
EN-250

These volumes detail the architecture and theory of operation for the printed circuit boards, external interfaces, and memory expansion, as well as X-Bus specifications of the Model CP-001-9 processor.

Processor: Model CP-002
Technician, Developer
1st ed. 4/86 2 vols.
Enhanced Video Supplement
1st ed. 7/88 19pp
EN-220

These volumes detail the architecture and theory of operation for the printed circuit boards, external interfaces, and memory expansion, as well as X-Bus specifications of the Model CP-002 processor. Supplement describes extended video functions.

Processor: Model CP-003
Technician, Developer
1st ed. 12/86 2 vols.
Enhanced Video Supplement
1st ed. 7/88 19pp
DHA-140

These volumes detail the architecture and theory of operation for the printed circuit boards, external interfaces, and memory expansion, as well as X-Bus specifications of the Model CP-003 processor. Supplement describes extended video functions.

Programmable Terminal™
Hardware
Technician, Developer
1st ed. 8/83 94pp
PT-200

Describes the architecture and theory of operation of the Programmable Terminal.

Programmable Terminal™
Installation
End User, Administrator
1st ed. 8/83 24pp
PT-100

Describes the procedures required to install, power up, and test the Programmable Terminal, and for connecting it to a MegaFrame computer system.

Programmable Terminal™
Programmer's Guide
Programmer
1st ed. 1/84 66pp
PT-300

Describes the Programmables Terminal's boot ROM software and programmable functions, including text display, interchangeable hard fonts, and local field editing functions.

Programmer's Guide: CTIX™
Supplement
Programmer
1st ed. 6/87
DAC-180

This manual, together with the *AT&T UNIX System V Programmer's Guide*, presents a complete set of articles that provide information about programming in the CTIX system environment.

Programmer's Guide: UNIX
System V
See UNIX SYSTEM V
PROGRAMMER'S GUIDE

PROGRAMMING TOOLS
MANUALS
ZAA-200

Assembly Language
Programmer
1st ed. 9/83 120pp

Describes programming with the assembly language at the symbolic instruction level including the instruction set. Some knowledge of the assembly language and the machine architecture of the associated CPU is recommended before using this manual.

Linker/Librarian
Programmer
3rd ed. 3/87 166pp

Describes the Linker, which links separately compiled object files, and the Librarian, which builds and manages libraries of object modules.

Quantum Q500 (Quantum)
Technician, Developer
1st ed. 11/84
EN-175

Describes the disk drive specifications as published by the vendor. Additionally, together with the *Hard Disk Upgrades and Expansions* manual, it describes the drive interface.

Quarter-Inch Cartridge Tape
Technician, Developer
1st ed. 12/85 189pp
EN-210

Describes the architecture, theory of operation, and hardware specifications for the Quarter-Inch Cartridge Tape Module.

Query
End User, Programmer
1st ed. 1/84 156pp
DM-250

Explains the screen layouts, forms, menus, and point-and-type user interface of Query. Also provides information for data base administrators and Programmers who use Query with CT-DBMS.

Raster Font and Icon Designer
Programmer
2nd ed. 2/87 37pp
DGA-120

Explains how to use the interactive utility to design new fonts (character sets) for the video display.

S/80 Diagnostics Manual
Administrator, Technician
1st ed. 6/88 123pp
DHC-480

Describes the tests used to verify proper operation of the S/80 computer system. Instructions for executing the tests and explanation of the test results are included.

S/80 Installation
End User
1st ed. 6/88 93pp
DHC-460

Guide to system installation, maintenance, and service; includes system disassembly, tape and hard drive removal and installation, as well as procedures for installing an I/O expansion board and memory expansion board.

S/80 Technical Reference
End User, Technician
1st ed. 6/88 74pp
DHC-450

Contains information on the functional description and user interface definition for the 16.6 MHz main processor board.

S/120™ Installation
End User, Administrator
1st ed. 3/87 125pp
DHC-410

Describes how to install and start up the S/120 as well as how to attach peripherals and install expansion boards and hard disk drives. In addition, the manual describes system status codes and shows you how to build the required cables.

S/221™ and S/222™
Installation
End User, Administrator
1st ed. 3/87 137 pp
DHC-420

Describes procedures for installing and starting up the S/221 and S/222 systems, as well as for attaching peripherals and installing expansion boards

and hard disk drives. In addition, the manual explains the system status codes and shows you how to build the required cables.

S/320™ and S/220™ Hardware
Technician, Developer
1st ed. 1/87
Vol 1: 411pp
Vol 2: 59pp
S/120™ Supplement 3/87 20pp
DHC-100

Provides information on the functional description, software interface, and theory of operation for the S/320 and S/220 computer systems.

S/320™ and S/640™
Installation Manual
End User, Administrator
2nd ed. 6/87 153pp
Supplement 8/88 1p
DHC-110

Describes how to install and start up the S/320 and S/640 systems as well as how to attach peripherals and install expansion boards and hard disk drives. In addition, the manual describes system status codes and shows you how to build the required cables.

S/320™ VME Half-Inch Tape Controller Card
Technician, Developer
2nd ed. 9/86 95pp
DHC-149

Contains installation and detailed technical information (software interfaces and theory of operation) for the VME Half-Inch Tape Controller Card.

S/320™ VME SMD Controller Card
Technician, Developer
2nd ed. 9/86 131pp
DHC-146

Contains installation and detailed technical information (software interfaces and theory of operation) for the VME SMD Controller Card.

S/1280
See also MegaFrame

S/1280™ and SRP™ Diagnostics
Technician, Administrator
1st ed. 2/88 254pp
DHA-510

Describes how to use the diagnostic tests for the S/1280

and for the Shared Resource Processor (SRP). The manual discusses running the diagnostics program interactively and unattended. It also provides a detailed discussion of each of the tests that can be used for each of the processor boards.

S/1280™ and SRP™ Expansion Enclosure (B-Box) Installation
Administrator, Technician
1st ed. 9/87 100pp
DHC-230

Contains instructions for attaching a B-Box expansion enclosure to an S/1280 base enclosure.

S/1280™ and SRP™ Installation
Administrator, Technician
4th ed. 9/87 100pp
DHC-220

Describes procedure for installing and booting an S/1280 base enclosure (A-Box, C-Box) and for installing expansion boards and hard disk drives. It also includes a summary of system status codes and instructions for building required cables.

S/1280™ CTIX™ Administrator's Reference Administrator
Prelim ed. 09/86 2 vols.
DAC-170

Describes how to administer an S/1280 system. Used in conjunction with the *MegaFrame CTIX Operating System Manual*, this manual serves as a complete reference to S/1280 CTIX administrative principles and practice.

SCSI Upgrades and Expansions
Programmer, Developer, Technician
1st ed. 12/87 54pp
DHA-200

Provides technical information common to all SCSI device modules. Topics include configuration, installation, and the SCSI physical and firmware interfaces. Designed to be used with the manuals specific to each SCSI device module (HSD-*nnn*, HSX-*nnn*, etc.).

Seagate ST225 (Seagate)
Technician, Developer
1st ed. 7/84
EN-172

Describes the disk drive specifications as published by the vendor. Together with the

Hard Disk Upgrades and Expansions manual, it describes the drive interface.

Series 286i
See also 286i

Series 286i™ Hardware Technician, Developer
Prelim ed. 9/86 2 vols
EN-172

Describes the operation and installation procedures for the Series 286i Processor; it also describes the architectural, software interfaces, theory of operation, external interfaces, and hardware specifications for the Series 286i system.

Series 386i™ Installation End User, Administrator
1st ed. 5/88 102pp
DHA-155

Describes how to install the Series 386i workstation. Includes instructions for installing video and X-Bus option cards, SIMMs, peripherals, and additional X-Bus and SCSI modules. Also contains information on clustering, taking care of the equipment, troubleshooting, and system expansion. (It does not cover software installation.)

- NEW -

Series 386i™ Technical Reference

Technician, Developer

1st ed. 8/88 305pp

DHA-160

Describes major components, software interfaces, and guidelines for installation and configuration; it also provides a functional description, cable construction information, and boot ROM status codes.

SERVER PC™ 1.1

ACCELL™/E MANUALS

(Unify)

DZZ-7300

ACCELL™ 1.1 Manuals

ACCELL™ 1.3 Update Package

Complete documentation for the version of ACCELL available for the CTIX/386 operating system.

- NEW -

Server PC™ Model 100

Diagnostic and Service Guide

Technician

1st ed. (7/88) 397pp

DHC-670

Service information to the field-replaceable unit level. Provides a complete set of

troubleshooting flowcharts, instructions for using the floppy-based diagnostics, and subassembly removal/replacement procedures.

Server PC™ Model 100

Installation Guide

End User, Technician

1st ed. (6/88) 227pp

DHC-660

Full instructions for unpacking and setting up the Server PC, including memory and storage device switch settings and installation. Also discusses how to install and boot operating system software.

- NEW -

Server PC™ Model 200

Diagnostic and Service Guide

Technician

2nd ed. 8/88 428pp

DHC-620

Service information to the field-replaceable unit level. Provides a complete set of troubleshooting flowcharts, instructions for using the floppy-based diagnostics, and subassembly removal/replacement procedures. New features include the SCP board, Ethernet adapter board, ECC memory board, and storage devices.

Server PC™ Model 200

Installation Guide

End User, Technician

3rd ed. 8/88 220pp

DHC-610

Full instructions for unpacking and setting up the Server PC, including memory and storage device switch settings and installation.

Server PC™ Serial Communications Processor

Technical Reference

Technician, Developer

1st ed. 11/87 36pp

DHC-650

Insert for *Server PC Technical Reference* discussing the

optional 80186-based serial expansion card. Includes hardware functional description and programming instructions.

Server PC™ Technical

Reference

Developer

1st ed. 6/87 522pp

Update Notice 1 10/87 143pp

DHC-600

Provides hardware functional descriptions and low-level programming information for system level programmers and developers of hardware add-ons. Presents extensive

port and register addressing instructions and detailed firmware documentation, including the BIOS and SCSI driver.

SERVER PC™ 4.0 Unify®

MANUALS (Unify)

DZZ-7400

Unify® 2.0 Manuals

Unify® 4.0 Update Package

Complete documentation for the version of Unify available for the CTIX/386 operating system.

S/MT

See also MightyFrame

S/MT™ Series Ethernet Combo

Board Technical Reference

Technician, Developer

1st ed. 3/87 48pp

DHC-132

Contains information on the functional description and software interface definition for the Ethernet Combo board.

**S/MT™ Series CPU-02
Technical Reference**
Administrator, Technician
1st ed. 6/87 123pp
Supplement 8/88 1p
DHC-500

Contains information on the functional description and user interface definition for the 25MHz main processor board.

— **NEW** —
**S/MT Series CTIX™
Administrator's Reference
Manual**
Administrator
2nd ed. 4/88 307pp
DAC-220

Defines the responsibilities of an S/MT Series system administrator and provides procedures for the administrator to follow. The manual explains the concepts an administrator must understand to maintain an S/MT Series computer system, including user support, CTIX modes, CTIX file systems, peripheral devices, and troubleshooting procedures. (Version C)

**S/MT™ Series Diagnostics
Administrator, Technician**
1st ed. 7/87 328pp
DHC-120

Describes the tests used to verify proper operation of the S/MT Series computer systems. Instructions for executing the tests and explanations of the test results are included in this manual.

**S/MT™ Series I/O Processor
(IOP) Expansion Technical
Reference**
Technician, Developer
1st ed. 10/87 34pp
DHC-142

Contains a functional description of the Input/Output Processor board, and a description of the software interfaces.

**S/MT™ Series Remote I/O
Processor Technical Reference**
*Developer, Programmer,
Technician*
1st ed. 3/88 38pp
DHC-430

Describes the hardware on the S/MT Remote I/O Processor Board at a functional level, including descriptions of interrupt handling, software interfaces, processor interface, and remote I/O processing.

**S/MT™ Series RS-232-C
Expansion Technical Reference**
Technician, Developer
1st ed. 10/87 25pp
DHC-141

Describes the hardware on the S/MT 10-port and 20-port boards at a functional block level, including descriptions of interrupt handling, processor interface, and RS-232-C I/O operations.

**S/MT™ Series RS-422
Expansion Technical Reference**
Technician, Developer
1st ed. 10/87 31pp
DHC-143

Describes the hardware on the MightyFrame RS-422 Expansion board including descriptions of clock, bus, and channel control.

An onboard line printer interface is also described.

**S/MT™ Series VME
Communications Controller
Card Technical Reference**
Technician, Developer
1st ed. 8/87 65pp
DHC-148

Provides information on the functional description and user interface for the VME communication controller card.

**S/MT™ Series VME Expansion
Technical Reference**
Technician, Developer
1st ed. 9/87 42pp
DHC-144

Contains information on the functional description and software interface definition for the S/MT VME Interface board.

**SNA 3270 Emulator Manual
End User**
1st ed. 12/82 58pp
DJ-410

Describes the SNA 3270 emulator package, which provides CRT and printer subsystems support, and a Virtual Terminal Interface for use with interactive application programs.

- NEW -

**SNA Basic LU 6.2
Administrator's and
Programmer's Guide**
Programmer, Administrator
1st ed. 7/88 165pp
DCA-110

Describes the SNA Basic LU 6.2 system service, which implements IBM's LU 6.2 Advanced Program-to-Program Communication (APPC) protocol between CTOS clusters and IBM host computers. The Basic LU 6.2 service does not support peer-to-peer communication. The manual provides reference information on the CTOS programming interface to LU 6.2 and also describes installation and administration of the service.

**SNA Multiline Network Gateway
Manual**
Administrator, Programmer
1st ed. 10/85 58pp
DJ-490

Describes the software that provides multiple communications links with multiple host computers in networks that support IBM's Systems Network Architecture. The manual shows you how to install, con-

figure, maintain, and troubleshoot the Gateway.

SNA Network Gateway Manual
Administrator, Programmer
2nd ed. 1/87 168pp
DCA-100

Shows Administrators how to install, configure, and monitor the SNA Network Gateway; it also provides information for the application subsystem programmer.

**SNA Network Gateway (PU 2.0)
Administrator**
3rd ed. 2/88 113pp
DCA-105

Describes the SNA Network Gateway (PU 2.0), a system service that allows applications and users on a cluster to communicate with applications on an SNA host computer. The manual describes how to install, configure, maintain, and troubleshoot the Gateway. (12.0 SNA Network Gateway)

- NEW -

SNA Programmer's Guide
Programmer
1st ed. 8/88 156pp
DCA-150

The *SNA Programmer's Guide* describes the programmatic interfaces to the SNA Network Gateway (PU 2.0), the SNA 3270 Emulator, and SNA RJE. It also contains information on how to write programs that use the programmatic interfaces, including sample programs.

- NEW -

SNA RJE
Administrator, Programmer
2nd ed. 8/88 128pp
DCA-420

Describes how to use SNA RJE, including a tutorial for the most commonly used procedures. The guide provides a complete reference for the SNA RJE product functions and also gives detailed installation and configuration instructions for the product.

**SNA X.25 NETWORK
GATEWAY MANUALS**
ZJ-440

SNA X.25 Network Gateway
Engineering Update 12/84

X.25 Network Gateway
Engineering Update 8/86

- NEW -

**SOLUTION DESIGNER™
MANUALS**
ZTA-400

Solution Designer™ Reference
End User
1st ed. 7/88 390pp

Provides complete reference information for each command and function in the Solution Designer spreadsheet program, with examples throughout. Includes appendixes that provide a summary of Solution Designer's compatibility with both Lotus 1-2-3 and Multiplan.

**Solution Designer™ User's
Guide**
End User
1st ed. 7/88 85pp

Describes the basic skills required to create and edit worksheets in the Solution Designer spreadsheet program, which contains enhanced features of both Lotus 1-2-3 and Multiplan.

Sort/Merge
Programmer, Administrator
2nd ed. 4/84 112pp
DM-120

Describes the Sort/Merge utilities that run as a subsystem at the Executive command level, and the Sort/Merge object modules that can be called from an application program.

Status Codes
End User, Programmer, Administrator
3rd ed. 10/87 574pp
Supplement 4/88 71pp
DAA-105

Contains a comprehensive listing of all status codes that can be generated by a CTOS workstation or a Shared Resource Processor (SRP), including bootstrap ROM error codes and CTOS utilization codes. The codes are organized, explained, and interpreted in numerical order.

S/Series™ Expansion Cabinet Installation
End user, Administrator
Prelim. 4/86 98pp
DHC-130

Describes how to install V-Box and X-Box expansion cabinets in MegaFrame and Mighty-Frame computer systems.

S/T2 Maintenance (Link)
Technician
DHC-301

S/T2 Programmer's Guide (Link)
End User, Administrator
DAC-250

TeleCluster™
Administrator, Technician
2nd ed. 10/87 198pp
DHA-220

Explains how to install and configure telecluster networks. It also provides information about the architecture and a functional description of the adapter and hub hardware.

UNIFY® 2.0 MANUALS
ZMC-100

Direct HLI Programmer's Manual (Unify)

Describes programming in the UNIFY database environment. It describes how to design a database and customize UNIFY tools, and lists possible error messages. COBOL and C interfaces to UNIFY are also described.

UNIFY® Developer's Reference Manual (Unify)
End User, Administrator

Provides specific information about how to use each of the tools that UNIFY provides. The manual discusses database design and maintenance, system administration, screen form development tools, the report processor, and the listing processor.

UNIFY® Developer's Tutorial (Unify)
End User, Administrator

Provides step-by-step instructions for using the UNIFY systems development processes to build a practical application to resolve a sample business problem.

UNIFY® Programmer's (Unify)
DMC-120

Describes programming in the UNIFY database environment. It describes how to design a database and customize UNIFY tools, and lists possible error messages. COBOL and C interfaces to UNIFY are also described. (S/1280 only)

UNIFY® Reference (Unify)
End User, Administrator
DMC-100

Provides specific information about how to use each of the tools that UNIFY provides. The manual discusses database design and maintenance, system administration, screen form development tools, the report processor, and the listing processor. (S/1280 only)

UNIFY® Tutorial (Unify)
End User, Administrator
DMC-110

Provides step-by-step instructions for using the UNIFY systems development processes to build a practical application to resolve a sample business problem. (S/1280 only)

UNIX® System V Assist Software Development Tools Guide (AT&T)
Programmer
DAU-350

Information for programmers who want to incorporate their programs into the Assist on-line help database.

**UNIX® System V Assist
Software User's Guide (AT&T)
End User
DAU-440**

Explains how to use the Assist on-line help package to interact with UNIX.

**UNIX® System V
Documentor's Workbench
Software Technical Discussion
and Reference Manual (AT&T)
Programmer
1986 150pp
DAU-450**

Detailed reference to the UNIX text formatting and typeset emulation facilities.

**UNIX® System V
Documentor's Workbench
Software User's Guide (AT&T)
End User
1986 200pp
DAU-460**

Explains how to use the UNIX text formatting and typeset emulation facilities.

**UNIX® System V Intel
80286/80386 Computer Version
Network Programmer's Guide
(AT&T)
Programmer
DAU-530**

Programming information for the System V Release 3 Remote File Sharing (RFS) networking package.

**UNIX® System V Intel
80286/80386 Computer Version
Streams Primer (AT&T)
Programmer
DAU-520**

Basic how-to information for programming using the System V Release 3 Streams I/O facilities.

**UNIX® System V Intel
80286/80386 Computer Version
Streams Programmer's Guide
(AT&T)
Programmer
DAU-510**

Detailed programming information for System V Release 3 Streams I/O.

**UNIX® System V Intel
80286/80386 Computer Version
User's Guide (AT&T)
End User
DAU-540**

Instructions for the beginning UNIX user.

**UNIX® System V
Programmer's Guide (AT&T)
Programmer
DAU-400
S/1280 Sys SW;S/MT Sys SW
A collection of articles that provide information on programming in the UNIX environment. (S/Series)**

**Using the Operator™
End User, Administrator
1st ed. 3/85
DV-500**

Describes how to use the Operator to make telephone calls, keep a directory of telephone numbers, and set up the answering machine. The manual also includes information for the administrator about configuring the Operator.

**Visinostics
Administrator, Technician
3rd ed. 6/87 350pp
Update Notice 1 5/88 61pp
DHA-320**

Contains detailed instructions for using NGEN/Series 286i diagnostic tests. Instructions for customizing the tests are also included.

**Voice/Data Services™
Programmer
Prelim. 3/85 87pp
DV-100**

Describes the Voice/Data Services, a server that provides a request and procedural interface between applications software and the Voice Processor Module.

**Voice Processor™
Technician, Developer
Prelim. 3/85 258pp
EN-190**

Explains the architecture, theory of operation, software interfaces, external interfaces, and hardware specifications for the Voice Processor Module.

Weitek 1167 Coprocessor Documentation (Weitek)
Developer, Programmer
DHC-630

Complete hardware and programming information for the optional Weitek 1167 floating-point coprocessor chip set.

WGS/DESKTOP™ MANUALS
ZTC-100

WGS/Calendar™ User's Guide
End User
1st ed. 4/87 59pp

Describes how to use the Calendar commands to schedule tasks such as appointments and meetings. The manual also explains how to change Calendar Preferences.

WGS/Desktop Manager™ User's Guide
End User
1st ed. 4/87 184pp

Describes the Desktop Manager software that you use to access menus, windows, and forms that run on the CTIX operating system.

WGS/Mail™ User's Guide
End User
1st ed. 4/87 84pp

Explains how to send, edit, receive, and read mail sent through the CTIX operating system, within a system, or to other systems. The manual also describes how to change Mail Preferences.

WGS/DESKTOP™ 2.0 Manuals
ZTC-200

WGS/Calendar™ User's Guide, Version 2.0
End User
1st ed. 2/88 71pp

Describes how to use the Calendar commands to schedule tasks such as appointments and meetings. The manual also explains how to change Calendar Preferences.

WGS/Desktop Manager™ User's Guide, Version 2.0
End User
1st ed. 4/88 204pp

Describes the Desktop Manager software that you use to access menus, windows, and forms that run on the CTIX operating system.

WGS/Mail™ User's Guide, Version 2.0
End User
1st ed. 4/88 91pp

Explains how to send, edit, receive, and read mail sent through the CTIX operating system, within a system, or to other systems. The manual also describes how to change Mail Preferences.

WGS/Mail User's Guide
See WGS/DESKTOP MANUALS

- NEW -
WGS/OFFICE 3 MANUALS
ZSC-210

WGS/Calendar™ User's Guide, Version 2.0
End User
1st ed. 2/88 71pp

Describes how to use the Calendar commands to schedule tasks such as appointments and meetings. The manual also explains how to change Calendar Preferences.

WGS/Desktop Manager™ User's Guide, Version 2.0
End User
1st ed. 4/88 204pp

Describes the Desktop Manager software that you use to access menus, windows, and forms that run on the CTIX operating system.

WGS/Mail™ User's Guide, Version 2.0
End User
1st ed. 4/88 91pp

Explains how to send, edit, receive, and read mail sent through the CTIX operating system, within a system, or to other systems. The manual also describes how to change Mail Preferences.

WGS/Spreadsheet™ User's Guide, Version 2.0
End User
1st ed. 4/88 2 vols.

Provides basic spreadsheet information and complete reference information for each WGS/Spreadsheet command and function, with examples throughout. Appendixes provide a command summary and a summary of WGS/Spreadsheet's compatibility with Lotus 1-2-3 and Multiplan. *(Continued)*

WGS/OFFICE 3 MANUALS
(continued)

**WGS/Word Era Glossary
Functions**
End User
1st ed.

**WGS/Word Era Quick
Reference Card**
133pp

**WGS/Word Era Records
Processing**
End User
1st ed.

WGS/Word Era Reference
End User
1st ed. ? date pp

**WGS/Word Processor™ User's
Guide, Version 2.0**
End User
1st ed. 4/88 147pp

Explains how to use the WGS/Word Processor commands to create, edit, and print documents, how to change Word Processor Preferences, and how to create a data record and merge its contents with a document. Commands are described by order of function rather than by command name.

**WGS/Spreadsheet™ User's
Guide**
End User
1st ed. 4/86 278pp
DTC-110

Provides basic spreadsheet information and complete reference information for each WGS/Spreadsheet command and function, with examples throughout. Appendices provide a command summary and a summary of WGS/Spreadsheet's compatibility with Lotus 1-2-3 and Multiplan.

**WGS/Spreadsheet™ User's
Guide, Version 2.0**
End User
1st ed. 4/88 2 vols.
DTZ-300

Provides basic spreadsheet information and complete reference information for each WGS/Spreadsheet command and function, with examples throughout. Appendixes provide a command summary and a summary of WGS/Spreadsheet's compatibility with Lotus 1-2-3 and Multiplan.

**WGS/Word Processor™ User's
Guide**
End User
Prelim ed. 4/86 158pp
DTC-120

Explains how to use the WGS/Word Processor commands to create, edit, and print documents, how to change Word Processor Preferences, and how to create a data record and merge its contents with a document. Commands are described by order of function rather than by command name.

Word Processing
See also DOCUMENT
DESIGNER MANUALS

**WORD PROCESSING
MANUALS**
ZT-100

**Word Processing Quick
Reference**
End User
2nd ed. 9/83 25pp

Gives a brief description of the most commonly used Word Processor Commands.

**Word Processing Reference
End User**
3rd ed. 1/85 385pp

Details each Word Processor command and discusses the efficient use of the Word Processor facilities. Material on list processing, programmer-specific operations, and printer and print wheel configurations is also included.

Word Processing User's Guide
End User
1st ed. 12/83 180pp

Introduces the Word Processor to the 1st-time user by providing step-by-step lessons that describe basic word processing operations.

**Window Services
Programmer**
1st ed. 6/86 79pp
DAA-140

Describes Window Services requests for the application programmer who writes window-related applications. The manual also contains troubleshooting tips.

Workstation C Programmer's Guide
Programmer
 2nd ed. 5/85 120pp
 DD-451

Describes enhancements to the C programming language, models of segmentation, library functions, and troubleshooting tips for workstation systems. The manual is written for programmers already familiar with the C programming language.

Writing MightyFrame™ Device Drivers
Programmer
 1st ed. 4/86 432pp
 DAC-120

This tutorial and reference manual is written for the experienced C programmer. It describes the MightyFrame architecture, the CTIX kernel, and contains other information about developing device drivers, including sample programs.

X.25 Network Gateway
End User, Administrator
 1st ed. 4/85 129pp
 DJ-300

Describes the X.25 Network Gateway, which supports CCITT Recommendation X.25 communications over a public data network. There are three levels of access to the network, all are described in this manual: packet, X.25 sequential access method, and the Multimode Terminal Emulator X.25 communications option.

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