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First Printing: July 1985 Latest Printing: June 1987

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Apollo Computer Inc. 330 Billerica Road Chelmsford, MA 01824 This booklet provides a brief overview of standard and optional Domain[®] products and technical publications. We have organized this information as follows:

Technical Publications – explains the architecture of our document set.

The Domain System — introduces our distributed processing system and the documents that explain our system architecture, site requirements, system administration, and network mail software.

Operating Systems — describes the user and programming interfaces to the Aegis^M operating system and to Domain[®]/IX^M, our System V and BSD4.2 implementations of the UNIX^{*} operating system. This section also lists the documents associated with our operating systems.

Networks — describes the Domain products and documents that enable you to communicate with other nodes, remote computer systems, and remote networks.

Domain Graphics Resources — outlines our graphics packages and explains how our reference and task-oriented manuals work together to help you develop graphics applications.

High-Level Languages — explains how to use our language document set to develop FORTRAN, Pascal, C, Ada^{**}, and Common LISP programs.

Program Development Tools — introduces the products and documents that you can use to manage complex software development projects, design advanced graphic user interfaces, and debug and bind programs.

Database Management — explains how to use our Domain Distributed Database Management System $(D3M^{m})$ document set to create and use databases.

Workstations and Servers — introduces the Domain family of compatible workstations and servers, and the documents that explain how to unpack, install, operate, and service them.

Input, Storage, and Network Peripherals — describes the input, storage, and network peripheral products that we support, and describes the documents that explain how to unpack and install them.

Printers — presents our printer hardware and software products and the associated documentation.

Documentation Packages — lists our prepackaged sets of manuals, their order numbers, and their contents. Check here before you order manuals; there might be a documentation package you can order that contains all the texts you need.

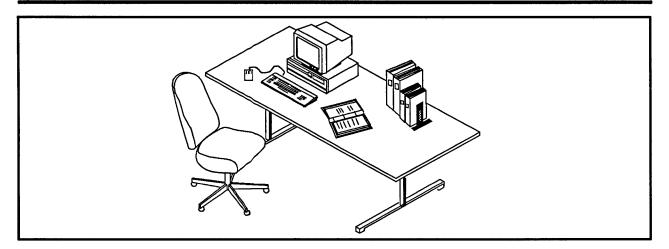
How to Order Technical Publications — explains how to order the documents that are described in this booklet and order the binders for them.

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^{*} UNIX is a registered trademark of AT&T in the USA and other countries.

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How to Order Technical Publications



Domain products and technical manuals work together to enhance the productivity of technical professionals. Our document set's organization helps technical professionals find information easily and solve problems effectively.

Instead of putting all the information about a product into one dense manual, we have created several document types that reflect the different ways you use information. Keep this organization in mind as you read more about our products and technical publications.

Tutorials — teach you step-by-step how to use a product. *Getting Started with Your Domain System* is an example of this document type. Read a tutorial once, then rely on a task-oriented guide or a reference manual.

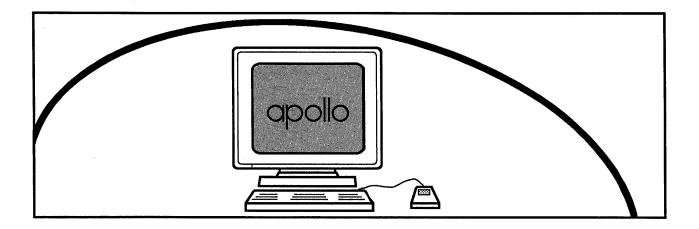
Task-oriented guides — explain how to solve specific problems, and demonstrate solutions with complete procedures and examples. The *Domain System User's Guide* is an example of this document type. Read task-oriented guides completely once, then refer to them when you need procedural information.

Reference manuals — document the details of software interfaces and hardware specifications in a standard, easy-to-reference format. The *Domain System Command Reference* is an example of this document type. Use a reference manual as you would a dictionary—frequently, for short intervals.

Architecture documents — survey a product's overall architecture. The *Domain* Series 3000 Hardware Architecture Handbook is an example of this document type. Read these documents to learn about our design philosophy and implementation and our product strategy.

Online information — makes reference information, examples, exercises, and demonstrations available on the system. We use the system's multiwindow capabilities to provide electronic information that supplements our manuals. For example, you can access command and system call descriptions online using the help command.

The manuals are different sizes; some require large or small binders, while others do not. The lists of books on the following pages indicate which books use the large binder and which use the small binder; books that don't need a binder are not marked.



The Domain system is a collection of powerful workstations and server processors interconnected by a choice of high-performance, local-area networks. Each workstation is a single-user computer with a high-resolution, bit-mapped display and an optional Winchester disk. Server processors can be configured as peripheral servers, file servers, or as gateways to other networks. The following manuals explain the overall system design and how to perform tasks that involve the entire system.

Domain Architecture: A Technical Overview explains how the Domain system combines the response time of a dedicated minicomputer with the flexible environment of a time-sharing system. *Planning Domain Networks and Internets* describes how to prepare your network site for your Domain equipment.

Administering Your Domain System explains how to create the network environment, protect the network software, and maintain and troubleshoot the network. In addition, the System V System Administrator's Guide and the BSD4.2 System Administrator's Guide describe network administration for the System V and BSD4.2 implementations of the UNIX operating system.

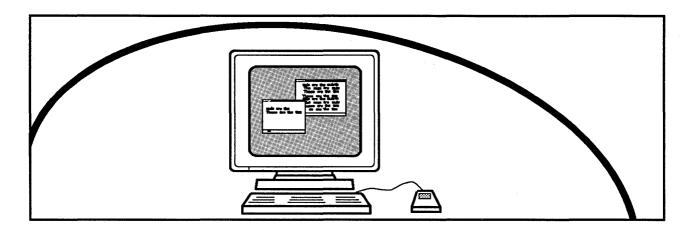
Installing Domain Software explains how system administrators and users can install system software.

The DPSS/Mail User's Guide describes how to use our optional electronic mail product.

Domain Architecture: A Technical Overview Order No. 002402-007 Binder: Large Planning Domain Networks and Internets Order No. 009916 Revision 00 Administering Your Domain System Order No. 001746 **Revision 06** Binder: Large System Administration for Domain/IX BSD4.2 Order No. 009355 Revision 00 Binder: Large System Administration for Domain/IX System V Order No. 009356 Revision 00 Binder: Large Installing Domain Software **Revision 02** Order No. 008860 DPSS/Mail User's Guide Order No. 003660 Revision 03 Binder: Large

See also: Workstation and Server Publications; Input, Storage, and Network Peripheral Publications

Operating Systems



The Domain System supports several operating systems: Domain/IX, our System V and BSD4.2 implementations of the UNIX operating system; and the Aegis operating system, a proprietary system that provides an extremely productive environment for a wide variety of engineering disciplines.

Domain/IX software supports both popular versions of the UNIX operating system: AT&T's UNIX System V Release 2 and the University of California at Berkeley's BSD4.2. We publish a complete set of documents that describe the user interface and program development environment of Domain/IX.

Getting Started with Your Domain/IX System is designed to help users with prior UNIX experience accomplish everyday tasks using a multiwindow environment. It explains how to manage the display, manipulate files and directories, and use a UNIX shell on a Domain node. It also describes support for multiple versions, and how to switch between System V and BSD4.2 environments. The *Domain/IX User's Guide* provides a detailed view of the user interface through an extensive series of technical papers. In particular, it addresses the UNIX shells, communications programs, support tools, and various program development packages available to the Domain/IX user.

The Domain/IX Command Reference for System V describes the UNIX System V shell commands supported by Domain/IX. The Domain/IX Command Reference for BSD4.2 describes the UNIX BSD4.2 shell commands supported by Domain/IX. Both manuals explain command syntax and usage, and provide helpful examples.

The Domain/IX Text Processing Guide describes the Domain/IX text editors, formatters, and preprocessors. The book also contains several papers related to these facilities. The Domain/IX Text Editors Quick Reference presents abbreviated information concerning Domain/IX text editors on an easy-to-use card.

The Domain/IX Programmer's Reference for System V describes the UNIX System V system calls and library functions supported by Domain/IX. The Domain/IX Programmer's Reference for BSD4.2 describes the UNIX BSD4.2 system calls and library functions supported by Domain/IX. The Domain/IX Support Tools Guide describes the programming tools supported by Domain/IX.

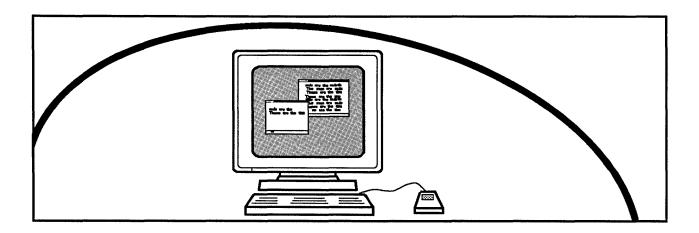
Technical Publications Overview

Domain/IX User Interface

- Getting Started with Your Domain/IX System Order No. 008017 Revision 01
- Domain/IX User's Guide Order No. 005803 Binder: Large
- Domain/IX Command Reference for System V Order No. 005798 Revision 01 Binder: Large
- Domain/IX Command Reference for BSD4.2 Order No. 005800 Revision 01 Binder: Large
- Domain/IX Text Processing Guide Order No. 005802 Revision 01 Binder: Large
- Domain/IX Text Editors Quick Reference Order No. 005804 Revision 00

Domain/IX Programming Interface

- Domain/IX Programmer's Reference for System V Order No. 005799 Revision 01 Binder: Large
- Domain/IX Programmer's Reference for BSD4.2 Order No. 005801 Revision 01 Binder: Large
- Domain/IX Support Tools Guide Order No. 009413 Revision 00 Binder: Large
- See also: High-Level Language Publications (C); Networking Publications (TCP/IP)



Our Aegis operating system provides a large library of system calls and utilities to aid in program development. We publish several documents that support both the Aegis user and programming interfaces.

Getting Started with Your Domain System is a tutorial that explains how to log in and use the keyboard, multiwindow display, and command interface to read, edit, and share files. It includes a tutorial chapter on the Aegis command line interface—the Aegis shell.

The *Domain System User's Guide* provides a task-oriented view of the user interface. It explains how to manage the display, manipulate files and directories, and how to tailor your work environment by defining function keys and creating your own commands.

The Domain System Command Reference is helpful for users who are already familiar with the Domain system. It documents the syntax for all shell and Display Manager (DM) commands, and provides examples of usage. You can also access this manual using our online HELP system.

Domain System Utilities expands on the information in the Command Reference, providing details about specific commands that are considered to be utilities; for example, edfont.

Two manuals, *Programming with General System Calls* and *Programming with System Calls* for *Interprocess Communication*, describe how to accomplish specific tasks with system service and interprocess communications calls.

The Domain Graphics Primitives Resource Call Reference describes the Domain system calls related to the Graphics Primitives Resource (GPR), and the Domain System Call Reference describes the rest of the Domain system programming calls. Each call description in these manuals provides information about syntax, data types, and error status.

Writing Device Drivers with GPIO describes how our general purpose input/output (GPIO) software enables you to write drivers for third-party devices.

Using the Open System Toolkit to Extend the Streams Facility describes how to extend the Streams facility so that it performs input and output for new types of files and devices.

Technical Publications Overview

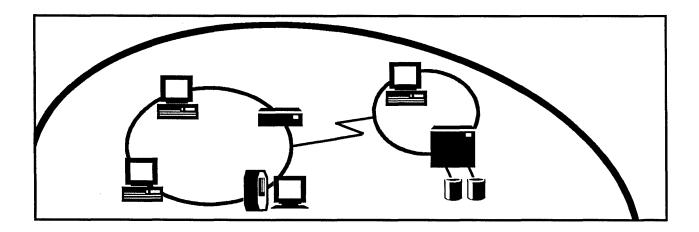
Aegis User Interface

- Getting Started with Your Domain System Order No. 002348 Revision 04
- Domain System User's Guide Order No. 005488 Revision 01 Binder: Small
- Domain System Command Reference Order No. 002547 Revision 04 Binder: Large
- Domain System Utilities Order No. 009414 Revision 00 Binder: Large

Aegis Programming Interface

- Domain System Call Reference Order No. 007196 Revision 01 Binder: Large
- Domain Graphics Primitives Resource Call Reference Order No. 007194 Revision 02 Binder: Large
- Programming with General System Calls Order No. 005506 Revision 00 Binder: Large
- Programming with System Calls for Interprocess Communication Order No. 005696 Revision 00 Binder: Large
- Writing Device Drivers with GPIO Order No. 000959 Revision 10 Binder: Large
- Using the Open System Toolkit to Extend the Streams Facility Order No. 008863 Revision 00 Binder: Large

Networks



Our network products provide you with a range of methods for interconnecting systems. With these products, you can connect to multiple vendor environments and several Domain local-area networks. Many of our network controllers support multiple communications protocols. Our network documentation reflects the modularity and flexibility of our networking products.

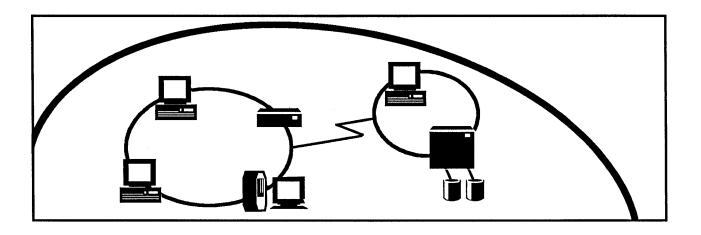
Domain Internets allow you to extend the Domain system within a building or over a large or small geographical area by connecting local-area networks with high-speed bridges. Our internet documentation tells you how to plan, install, and manage an internet, extending transparent file access and resource sharing throughout a large user population.

Domain/PCI Connection is a product family that allows a personal-computer user to connect to a Domain network, access Domain system files, and use resources such as electronic mail, other shell services, and Domain printers.

Domain/PCC lets you emulate an IBM Personal Computer AT (PC AT). Domain/PCC creates a display in which you can use DOS commands, run applications designed for the PC AT, and access the resources of the Domain system.

Domain/SNA allows Domain users to log in to an IBM host or to submit jobs to an IBM host from their workstations. Our Domain/SNA documentation set contains books that assist you in planning, using, and managing your Domain/SNA gateways.

Networks



Domain TCP/IP consists of two products, Domain TCP/IP and Domain/IX BSD4.2 TCP/IP. These products provide communication services over a variety of physical networks that adhere to the DARPA Internet protocol. Domain TCP/IP provides communications for workstations running either the Aegis or Domain/IX operating system. Domain/IX BSD4.2 TCP/IP provides TCP/IP communications for workstations running Domain/IX. Both products contain utilities for terminal emulation (telnet) and file transfer (ftp). The documentation set describes how to install, configure, manage, and troubleshoot TCP/IP. It also describes how to use the telnet and ftp facilities for both TCP/IP products.

Domain/NFS enables Domain workstations and foreign systems connected on an ETHER-NET* network to access each other's files using commands and calls.

Domain/Access allows users to transparently access files on Digital Equipment Corporation (DEC**)VAX/VMS computers from Domain workstations. With this product, the VAX computer appears to be part of the Domain network. Domain/Access uses TCP/IP to communicate over an IEEE 802.3 network to the VAX computer. Our Domain/Access documentation set describes how to plan for, manage, and use this application.

Domain System RJE Emulation package allows users to submit jobs to an IBM host using the HASP, 2780, or 3780 protocols. Using the Domain System RJE Emulation Package explains how to use this package.

Domain X.25 allows users to connect two Domain networks over an X.25 network or to connect a Domain network to a remote computer. Our Domain X.25 documentation helps you install the controller and describes the product's facilities.

** DEC is a registered trademark of Digital Equipment Corporation.

^{*} ETHERNET is a registered trademark of Xerox Corporation.

Multipurpose Controllers

- Unpacking and Installing Your EtherController–AT Order No. 009741 Revision 00
- Unpacking and Installing Your EtherController–MB Order No. 008265 Revision 01

Internets

- Planning Domain Networks and Internets Order No. 009916 Revision 00
- Unpacking and Installing the Domain/Bridge Controller Order No. 005697 Revision 01
- Managing the Domain Environment in an Internet Order No. 005694 Revision 02 Binder: Large

PCI

- Planning for the Domain/PCI Connection Order No. 007457 Revision 01 Binder: Small
- Installing the Domain/PCI-1 Connection Order No. 007458 Revision 00 Binder: Small
- Installing the Domain/PCI-8 Connection Order No. 007459 Revision 00 Binder: Small
- Using Your Domain/PCI Connection Order No. 007460 Revision 02 Binder: Small

PCC

- Installing Domain/PCC in Your DN3000 Workstation Order No. 009501 Revision 00
- Using Domain/PCC for PC Compatibility Order No. 009498 Revision 00
- Using Domain/PCC-Remote (addendum to Using Domain/PCC for PC Compatibility) Order No. 010733 Revision 00

SNA

Planning for the Domain/SNA Gate	way Products
Order No. 007760	Revision 01
Using the Domain/SNA Gateway P	<i>roducts</i>
Order No. 007762	Revision 01
Managing the Domain/SNA Gatewo	ay <i>Products</i>
Order No. 007763	Revision 01
Installing the Domain/ComControlle	er Product
Order No. 007761	Revision 01
TCP/IP	
TCP/IP Planning for TCP/IP Order No. 010483	Revision 00
Planning for TCP/IP	Revision 00 Revision 00

NFS

Using Domain/NFS	
Örder No. 010414	Revision 00

RJE

Using the Domain System RJE Emulation Package Order No. 005146 Revision 00 Binder: Large

X.25

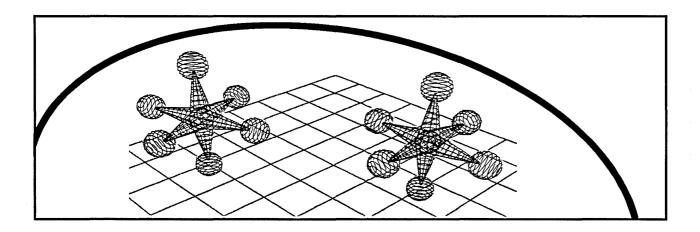
Installing the COM-X.25 Product Order No. 008264 Revision 00 Binder: Large

Domain X.25 Reference Order No. 003223 Revision 01 Binder: Large

Access

- Using the Domain/Access Application Order No. 008012 Revision 01
- Managing the Domain/Access Application Order No. 010173 Revision 00

See also: The Domain System



The Domain Graphics Resource (DGR™) is a set of four graphics packages:

Domain Graphics Service Routines (GSR^m) is the lowest level software interface visible to the applications programmer for displaying graphic images. It allows programmers to send packets of graphics data directly to the display device without error checking. In addition, it does not provide other "bookkeeping" facilities that are provided by GPR and GMR. *Programming with Domain Graphics Service Routines* described GSR. The *Domain Graphics Instruction Set* describes the low-level graphics instructions used in Domain systems. These instructions are accessed through the Domain Graphics Service Routines.

The **Domain Graphics Primitives Resource** (GPR^m) is a library of routines that let you manipulate low-level graphic elements to develop application programs. GPR has a procedural interface that includes error checking and attribute handling. The *Domain Graphics Primitives Resource Call Reference* provides reference documentation for these calls. *Programming With Domain Graphics Primitives* provides detailed programming examples to explain how to perform common graphics operations.

Domain Graphics Metafile Resource (GMR $\stackrel{\text{m}}{}$) provides a high-level approach to graphics in two separate packages: 2D GMR and 3D GMR. Both packages allow you to create, edit, display, and store picture data in device-independent files. *Programming With Domain 2D Graphics Metafile Resource* describes how to perform various graphics operations using the 2D GMR package. Reference documentation on 2D GMR is in the *Domain 2D Graphics Metafile Resource Call Reference*. *Programming With Domain 3D Graphics Metafile Resource Call Reference*. The reference manual for 3D GMR is the *Domain 3D Graphics Metafile Resource Call Reference*.

Domain Core Graphics is a library of routines that conform to the de facto standard developed by the ACM/SIGGRAPHI graphics standards planning committee (1977–1979). Core simplifies the porting of existing Core-based applications onto Apollo nodes. Refer to *Programming With Domain Core Graphics* for information about Core.

Our graphics resources include, in addition to DGR, the Domain 4014 software package, which enables a Domain node to emulate a Tektronix 4014 graphics terminal. The *Domain* 4014 User's Guide contains details on this product.

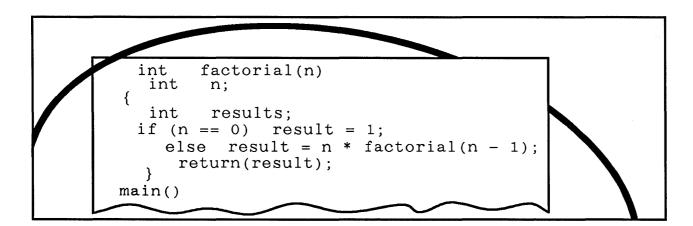
Technical Publications Overview

Domain Graphics Resources Publications

Programming With Domain Graphic Order No. 005808 Binder: Large	cs Primitives Revision 00
Programming With Domain 2D Gra Order No. 005097 Binder: Large	phics Metafile Resource Revision 00
Programming With Domain 3D Gra Order No. 005807 Binder: Large	aphics Metafile Resource Revision 02
Programming With Domain Core G Order No. 001955 Binder: Large	iraphics Revision 02
Programming With Graphics Servic Order No. 009797 Binder: Large	e <i>Routines</i> Revision 01
Domain 2D Graphics Metafile Reso Order No. 009793 Binder: Large	ource Call Reference Revision 00
Domain 3D Graphics Metafile Reso Order No. 005812 Binder: Large	ource Call Reference Revision 02
Domain Graphics Instruction Set Order No. 009791 Binder: Large	Revision 01
<i>Domain 4014 User's Guide</i> Order No. 005224 Binder: Large	Revision 00

See also: Operating System Publications

Technical Publications Overview



The Domain system supports the following programming languages:

- FORTRAN
- Pascal
- C
- Common LISP
- Ada

We publish language reference manuals that detail the syntax of each language and document any differences between our implementation and an accepted standard. Our language manuals also explain how to compile, bind, and execute programs using options made available by our program development utilities.

We provide the manuals listed on the next page for FORTRAN, Pascal, C, Common LISP, and Ada. Our *Domain/Ada Development System Reference* is a set of reference manuals that covers Domain/Ada and Domain/Ada-related topics. The *Domain/IX Programmer's Reference* describes the C library for Domain/IX users. For users who do not use the Domain/IX product, the *Domain C Library (CLIB) Reference* describes the library-routines accessible to C programmers.

We also provide an extensive library of online programming examples to supplement these language documents.

These language manuals assume readers have studied an introductory text in the particular language.

FORTRAN

Domain FORTRAN Language Reference Order No. 000530 Revision 05 Binder: Large

Pascal

Domain Pascal Language Reference Order No. 000792 Revision 05 Binder: Large

С

- Domain C Language Reference Order No. 002093 Revision 03 Binder: Large
- Domain C Library (CLIB) Reference Order No. 005805 Revision 00 Binder: Large

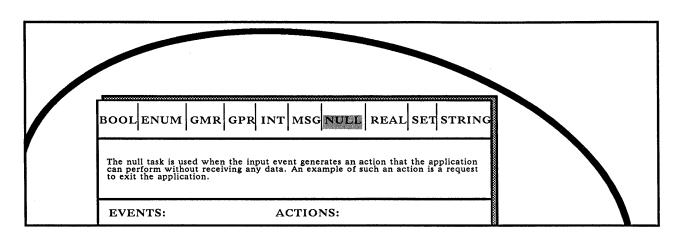
Common LISP

- Domain/CommonLISP User's Guide Order No. 008791 Revision 01 Binder: Large
- Domain/CommonLISP Reference Order No. 010849 Revision 00 Binder: Large

Ada

- Reference Manual for the Ada Programming Language Order No. 008684 Revision 00
- Domain/Ada Development System Reference Order No. 008917 Revision 00 Binder: Large
- Domain/Ada Development System Quick Reference Order No. 00 Revision 00 Binder: Large
- See also: Operating System Publications; Program Development Tools Publications

Program Development Tools



The Domain system provides several software development tools.

Domain Software Engineering Environment (DSEE^m) is a programmer's workbench—a collection of powerful tools that helps engineers construct, maintain, and manage complex software projects. The product includes an online tutorial that teaches the basic DSEE concepts. *Getting Started in the Domain Software Engineering Environment (DSEE)* guides you through the tasks most often performed with DSEE software. *Engineering in the DSEE Environment* describes the ways that software engineers use DSEE software to facilitate their work. The *Domain Software Engineering Environment (DSEE) Command Reference* contains complete details about DSEE commands. The *Domain Software Engineering Environment (DSEE) Call Reference* describes the programmable interface to DSEE facilities.

Domain Performance Analysis Kit (DPAK^m) is a set of three tools that help you analyze the performance of your applications. DSPST looks at the relative use of CPU time by several processes at the system level. DPAT is an interactive tool that looks at the performance of programs at the procedure level. HPC looks at the performance of computational procedures at the statement level. All three tools are described in *Analyzing Program Performance with DPAK*.

Domain®/Dialogue[™] provides programmers and user interface designers with a tool for creating advanced, graphic user interfaces to application programs. *Getting Started with Domain/Dialogue* introduces the tool, and the *Domain/Dialogue User's Guide* contains both procedural and reference information about using Domain/Dialogue.

Domain Language Level Debugger is a tool shipped with our standard software for use by programmers developing FORTRAN, C, or Pascal programs. See the *Domain Language Level Debugger Reference* for more information on this product.

Domain Binder and Librarian utilities are also shipped with standard software. These tools support high-level language programmers. The binder combines object modules into one executable object module. The librarian groups one or more object modules into a special file that serves as input to the binder. The *Domain Binder and Librarian Reference* describes both utilities.

Technical Publications Overview

DSEE

- Getting Started with the Domain Software Engineering Environment (DSEE) Order No. 008788 Revision 00
- Engineering in the DSEE Environment Order No. 008790 Revision 00
- Domain Software Engineering Environment (DSEE) Command Reference Order No. 003016 Revision 04 Binder: Large
- Domain Software Engineering Environment (DSEE) Call Reference Order No. 010264 Revision 00 Binder: Large

DPAK

Analyzing Program Performance with DPAK Order No. 008906 Revision 00 Binder: Small

Domain/Dialogue

- Getting Started with Domain/Dialogue Order No. 010218 Revision 00
- Domain/Dialogue User's Guide Order No. 004299 Revision 01 Binder: Large

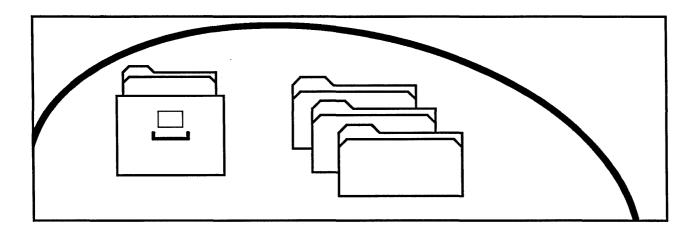
Binder and Librarian

Domain Binder and Librarian Reference Order No. 004977 Revision 02 Binder: Large

Debugger

- Domain Language Level Debugger Reference Order No. 001525 Revision 04 Binder: Large
- See also: Operating System Publications; High-Level Language Publications

Database Management



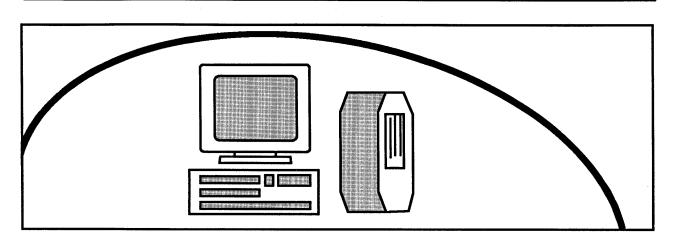
The D3M system is our network-model database management system. D3M works on local or distributed data, providing high-performance, multi-user access to databases located throughout a Domain network. The D3M data model and program interface are based on the CODASYL standard and support access from C, FORTRAN 77, and Pascal programs.

D3M consists of a server program and a set of utilities for database definition and operation, and for data retrieval, updating, and reporting. DESCRIBE is a menu-driven tool that allows the interactive definition of a new schema and the redefinition of existing schemas. D2V is an interactive database query, update, and basic reporting utility. RDL and D2F form a nonprocedural report writing package designed for nonprogrammers. Finally, the D3M run-time libraries, D3MLIB and DMLLIB, provide high-level and navigational Data Manipulation Language (DML) call interfaces.

The D3M document set includes an overview (Introduction to D3M) and a manual that describes how to define and operate databases (How to Design, Define, and Operate a D3M Database). The manual How to Write DML Programs provides information on syntax and usage for D3M's Data Manipulation Language interfaces, while the manual How to Use D3M/DATAVIEW and FORMATTER describes the D3M query facilities and the RDL and D2F report-writing package.

Introduction to D3M
Order No. 001950
Binder: LargeRevision 00How to Design, Define, and Operate a D3M Database
Order No. 004302
Binder: LargeRevision 00How to Write DML Programs
Order No. 004303
Binder: LargeRevision 00How to Use D3M/DATAVIEW and FORMATTER
Order No. 004304
Binder: LargeRevision 00

Workstations and Servers



The Domain system provides a family of compatible workstations and servers. The publications that support these hardware products include unpacking and installing booklets, as well as technical reference, architecture, operating, and servicing manuals.

Our publications of general interest are applicable to all of our products. These books can help you to plan and prepare your site prior to the delivery of your Domain products, and service your workstations and servers. Our other workstation and server publications are relevant to specific product families.

The DN3xxs (the DN300, DN320, and DN330) and the Domain Series 3000 are our low-end product families.

The **DN300** and **DN320** are economical desktop workstations based on the Motorola 68010 microprocessor. Both workstations offer an integrated monochrome monitor. The **DN320** is also equipped with a hardware floating-point unit.

The **DN330** is an economical desktop workstation with an integrated monochrome monitor. The workstation is based on the Motorola 68020 microprocessor and has a hardware floating-point unit.

The **Domain Series 3000** is a low-cost, high-power, computational node available either as a workstation or a server. The node may be configured as a desktop or a floor-standing unit. The workstation offers both color and monochrome monitors.

The Domain Series 3000 Technical Reference contains the hardware specifications for the DN3000 subassemblies. The Domain Series 3000 Hardware Architecture Handbook describes the hardware from the operating system's point of view.

The Domain Series 3000 Configuration Worksheet lists the functional parameters (DRQ lines, IRQ lines, power required, and address space) for the DN3000 system and the Apollo optional devices for that system.

The Domain Series 3000 offers several hardware components that you can install, such as memory boards, network controller boards, and a graphics controller board. Individual handbooks describe the installation procedure for each of these components. The handbooks for the network controller boards also explain how to configure the board and verify proper network operation.

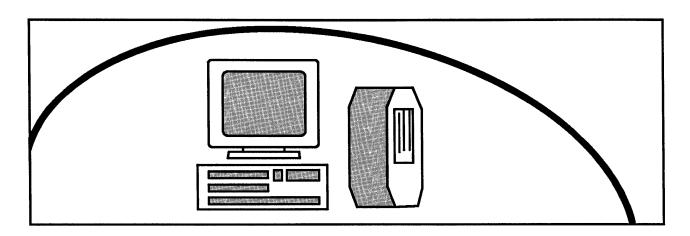
Workstation and Server Publications

Publications of General Interest

Domain Hardware Site Planning Sp Order No. 009859 Binder: Large	pecifications Revision 00	Servicing Domain Monitors Order No. 009349 Binder: Large
Using Domain Diagnostics Order No. 009329 Binder: Large	Revision 01	
DN3xxs		
Operating the DN3xx Order No. 005448 Binder: Small	Revision 00	Servicing the DN3xx Order No. 003135 Binder: Large
Unpacking and Installing the DN3x Order No. 005447	x Revision 00	
Domain Series 3000		
Domain Series 3000 Configuration Order No. 010531	<i>Worksheet</i> Revision 01	
Domain Series 3000 Technical Ref Order No. 008778 Binder: Large	e <i>rence</i> Revision 02	
Domain Series 3000 Hardware Arc Order No. 007861	<i>hitecture Handbook</i> Revision 01	
Servicing the Domain Series 3000 Order No. 007859 Binder: Large	Revision 02	
Unpacking and Installing Your DN3 Order No. 007857	8000 Personal Work Revision 04	station and the DSP3000 Server
Operating the DN3000 Personal W Order No. 007858 Binder: Small	orkstation and the l Revision 02	DSP3000 Server
Domain Series 3000 Guide to Add Order No. 010332	ing Third-Party Opti Revision 00	ions and Writing Device Drivers
Installing Memory in Your Domain Order No. 010615	System 3000 Revision 00	
Installing Graphics Controllers in th Order No. 010409	he AT-Compatible E Revision 00	Bus
Installing the Two-Slot Apollo Toke Order No. 010694	en Ring Network Co Revision 00	ntroller–AT
Installing the 802.3 Network Contr Order No. 010614	oller-AT Revision 00	
Installing and Programming the Do Order No. 009798	omain Series 3000 S Revision 00	SPE Option

49 Revision 00

Revision 01



The Domain system offers these mid-range to high-end workstations:

The **DN550** is a low-cost, medium-performance color workstation based on the Motorola 68010 microprocessor.

The **DN560** is a high–performance color workstation based on the Motorola 68020 microprocessor. It uses the same graphics system as the **DN550**.

The DN570/DN570A are high-performance color workstations based on the Motorola 68020 microprocessor. They use a cost-reduced, single-board graphics system. The DN570 offers a 15-inch, high-resolution color monitor while the DN570A offers a 19-inch, high-resolution color monitor.

The **DN580** is a high-performance, high-resolution, color graphics workstation based on the Motorola 68020 microprocessor. The **DN580** uses a graphics system with three-dimensional modeling capability.

The **DN5xx-T**s (DN570-T, DN580-T, DN590-T) are high-performance, high-resolution, color graphics workstations based on the Motorola 68020 microprocessor, capable of performing three-dimensional modeling. These workstations provide up to 16 MB of main memory, a floating-point coprocessor for extremely fast data handling and transfer, a MULTIBUS*and/or a VMEbus module, and a mass storage subsystem, which lets you operate the systems as standalone workstations. The **DN580-T** includes 8 planes of graphics memory and the **DN590-T** includes 24 planes of graphics memory.

The **DSP500-T** is a high-performance server with up to 32 MB of main memory, a floating-point coprocessor, a MULTIBUS and/or a VMEbus module, and a mass storage subsystem.

The **DN660** is a color graphics workstation that is ideally suited to compute-intensive applications. The **DN460** supports the same functions as the DN660, but on a mono-chrome monitor.

*MULTIBUS is a trademark of Intel Corporation.

DN5xx

Unpacking and Installing the DN550/DN560/DN570(A) Workstation Order No. 004108 Revision 06

Operating the DN550/560/570 Order No. 004107 Revision 03 Binder: Small

Servicing the DN550/DN560/DN570 Order No. 004827 Revision 03 Binder: Large

DN580

Unpacking and Installing the DN580 Order No. 007450 Revision 00

Operating the DN580 Order No. 007451 Binder: Small

Revision 00

Servicing the DN580/DN590 Order No. 007452 Binder: Large

DN5xx-T and DSP500-T

- DN5xx-T Workstations and DSP500-T Server Hardware Architecture Handbook Order No. 009490 Revision 00
- DN5xx-T Workstations and DSP500-T Server Technical Reference Order No. 009491 Revision 00 Binder: Large

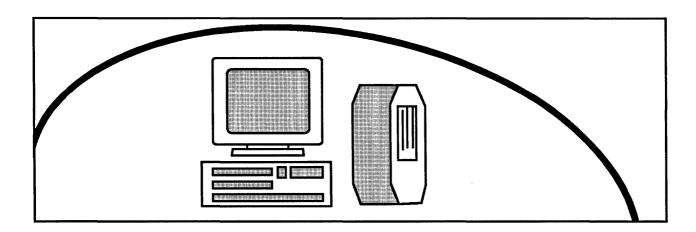
Unpacking and Installing the DN5xx-T Workstations and the DSP500-T Server Order No. 009493 Revision 00

Operating the DN5xx-T Workstations and the DSP500-T Server Order No. 009494 Revision 00 Binder: Small

Servicing the DN5xx-T Workstations and the DSP500-T Server Order No. 009489 Revision 00 Binder: Large

DN460/DN660

- Unpacking and Installing the DN4xx/DN6xx Order No. 005508 Revision 00
- Operating the DN4xx/DN6xx Order No. 005509 Revision 00 Binder: Small
- Troubleshooting Guide (DN4xx/DN6xx) Order No. 003239 Revision 01 Binder: Large



In addition to the Domain Series 3000 server processor, and the DSP500 and DSP500-T server processors, the Domain system supports these server processors for calculation and peripheral support throughout a Domain network:

The **DSP160**, with integral floating-point support, distributes accelerated calculation and computation resources throughout the network.

The **DSP80A/DSP90** are high-performance processors that allow users to connect a wide range of peripherals to the Domain system.

The **DSP9000** Series is a family of computational servers that provide high-performance for computationally intensive applications, using vector processing and parallel processing. *Introducing the DSP9000* shows you how to use the DSP9000 in a Domain network. The book also points you to the manuals that show how to install and configure the DSP9000 in the network.

DSP160

Unpacking and Installing th	he DSP160
Order No. 005505	Revision 00

Operating the DSP160	
Order No. 005489	Revision 00
Binder: Small	

DSP80A/DSP90

Unpacking and Installing	the DSP80A/DSP90
Order No. 004958	Revision 01

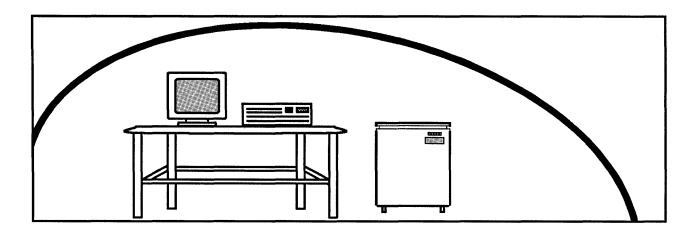
Operating the DSP80A/DSP90	
Order No. 004957	Revision 01
Binder: Small	

Servicing the DSP80A/DSP90 Order No. 005806 Revision 00 Binder: Large

DSP9000

Introducing the DSP9000	
Order No. 008915	Revision 00

Input, Storage, and Network Peripherals



The Domain system supports a range of peripheral products, including printers, pointing devices, and storage media. Our manuals concerning printers are presented in the next section. Here we present the manuals that deal with input devices, storage media, and network hardware.

Installing Input/Output (I/O) Devices for Domain Nodes is a general installation guide that covers grounding and cabling information in preparation for connecting any peripheral to the Domain system. Each peripheral also has its own product-specific installation manual.

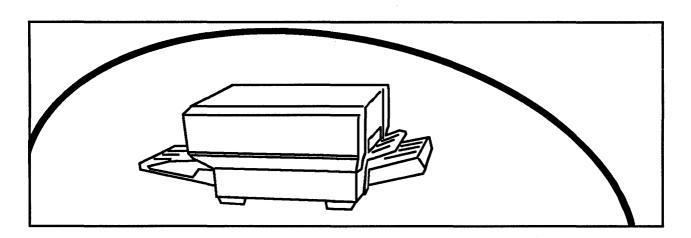
The Domain/DFL-100 extends a Domain ring using a fiber-optic cable link and fiber-optic interface units. *Installing and Operating the Domain/DFL-100 Fiber Interface Unit* describes how to install and operate the unit.

Written for cable installers, *Installing Coaxial Cable and Accessories for a Domain Token Ring Network* contains procedures for installing our specified coaxial cable and terminating the cable with the DQC-100 (for attaching nodes) and BNC connectors (for attaching network switches). The manual also contains a procedure for testing the cabling system for short or open circuit conditions. This manual is available through the Domain System User/Accessories Catalog (call 1-800-225-5290 to order the manual from the catalog).

Input, Storage, and Network Peripheral Publications

Installing Coaxial Cable and Acces Order No. 009860	ssories for a Domain Token Ring Network Revision 00
Installing Input/Output (I/O) Devic Order No. 008268 Binder: Large	es for Domain Nodes Revision 01
Unpacking and Installing the Dom Order No. 004678	ain Peripheral Cabinet Revision 00
Installing the Tablet Order No. 008257 Binder: Large	Revision 00
Installing the FSD-500 Order No. 008267 Binder: Large	Revision 00
Installing the MSD-300M Order No. 008262 Binder: Large	Revision 00
Installing the MSD-1600 Order No. 008263 Binder: Large	Revision 00
Installing the MSD-6250 Order No. 007456 Binder: Large	Revision 00
Installing and Operating the Doma Order No. 008626	ain/DFL-100 Fiber Interface Unit Revision 00

Printers



The Domain system supports a number of printers and plotters. The documentation we provide about these printers is listed on the next page. Our general peripheral installation guide, *Installing Input/Output (I/O) Devices for Domain Nodes*, listed on the previous page, contains general information about installing printers in the Domain system. Each printer also has its own product-specific installation manual.

PostScript^{*} is a page-description language used to communicate with printers. The *PostScript Reference Manual* describes the PostScript commands.

* PostScript is a registered trademark of Adobe Systems Incorporated.

Printers

- Installing the Printer/Plotter Order No. 008261 Revision 00 Binder: Large
- Installing the Apple LaserWriter in a Domain System Order No. 007864 Revision 00 Binder: Large
- Installing the Imagen Laser Printer Order No. 008266 Revision 00 Binder: Large
- Installing the Multi-Mode Printer Order No. 008258 Revision 00 Binder: Large
- Installing the Domain/Laser-26 in a Domain System Order No. 007851 Revision 00 Binder: Large
- Operating the Domain/Laser-26 Order No. 007852 Revision 00 Binder: Large
- Installing and Operating the Tektronix 4692 Printer Interface Order No. 009906 Revision 01 Binder: Large

Printer Software

PostScript Language Reference Order No. 007765 Revision 00

Documentation Packages

We have put together a number of documentation packages to make ordering our technical publications easier. Each of these sets contains all of our documents related to a particular topic or a particular user need.

Below are the names, order numbers, and contents of our documentation packages. We describe the contents of each book earlier in this manual.

Domain/IX Starter Documentation Package

This package provides new users and system administrators with the information they need to use the Domain/IX environment.

Order No. 009019

Administering Your Domain System System Administration for Domain/IX BSD4.2 System Administration for Domain/IX System V Getting Started with Your Domain System Domain System User's Guide Domain System Command Reference Getting Started with Your Domain/IX System Domain/IX User's Guide Domain/IX Command Reference for System V Domain/IX Command Reference for BSD4.2 Domain/IX Text Processing Guide Domain/IX Text Editors Quick Reference

Domain/IX Advanced Documentation Package

This package provides programmers with the information they need to program in the Domain/IX environment.

Order No. 009021

Domain System Call Reference Domain Graphics Primitives Resource Call Reference Programming with General System Calls Programming with System Calls for Interprocess Communication Domain/IX Programmer's Reference for System V Domain/IX Programmer's Reference for BSD4.2 Domain/IX Support Tools Guide Configuring and Managing TCP/IP Programming with Domain Graphics Primitives Programming with Domain 2D Graphics Metafile Resource Programming with Domain 3D Graphics Metafile Resource Domain 2D Graphics Metafile Resource Call Reference Domain 3D Graphics Metafile Resource Call Reference Domain Language Level Debugger Reference Domain Binder and Librarian Reference

Domain/IX Standard Documentation Package

Order No. DOC-IX Domain/IX Starter Documentation Package Domain/IX Advanced Documentation Package

Aegis Starter Documentation Package

This package provides new users and system administrators with the information they need to use the Aegis environment.

Order No. 009018 Administering Your Domain System Getting Started with Your Domain System Domain System User's Guide Domain System Command Reference

Aegis Advanced Documentation Package

This package provides programmers with the information they need to program in the Aegis environment.

Order No. 009020

Domain System Call Reference Domain Graphics Primitives Resource Call Reference Programming with General System Calls Programming with System Calls for Interprocess Communication Programming with Domain Graphics Primitives Programming with Domain 2D Graphics Metafile Resource Programming with Domain 3D Graphics Metafile Resource Domain 2D Graphics Metafile Resource Call Reference Domain 3D Graphics Metafile Resource Call Reference Domain 3D Graphics Metafile Resource Call Reference Domain Language Level Debugger Reference Domain Binder and Librarian Reference

Aegis Standard Documentation Package

Order No. 008122 Aegis Starter Documentation Package Aegis Advanced Documentation Package

PCI-1 Documentation Package

Order No. 008432

Planning for the Domain/PCI Connection Installing the Domain/PCI–1 Connection Using Your Domain/PCI Connection

PCI-8 Documentation Package

Order No. DOC-PCI-8

Planning for the Domain/PCI Connection Installing the Domain/PCI-8 Connection Using Your Domain/PCI Connection

PCC Documentation Package

Order No. 009159

Installing Domain/PCC in Your DN3000 Workstation Using Domain/PCC for PC Compatibility

SNA-3270 Documentation Package

Order No. 008748

Planning for the Domain/SNA Gateway Products Using the Domain/SNA Gateway Products Managing the Domain/SNA Gateway Products Installing the Domain/ComController Product

TCP/IP Documentation Package

Order No. DOC-TCP/IP Planning for TCP/IP Using telnet and ftp Configuring and Managing TCP/IP

Domain/Access Documentation Package

Order No. DOC-ACC Using Domain/Access Applications Managing the Domain/Access Application

X.25 Documentation Package

Order No. DOC-X.25 Domain X.25 Reference Installing the COM-X.25 Product

Domain/Bridge, EtherBridge Documentation Package

Order No. DOC-BRDG

Planning Domain Networks and Internets Unpacking and Installing the Domain/Bridge Controller Managing the Domain Environment in an Internet

C Documentation Package

Order No. 008125 Domain C Language Reference Domain C Library (CLIB) Reference

CommonLISP Documentation Package

Order No. DOC-CLISP Domain/CommonLISP User's Guide Domain/CommonLISP Reference

Ada Documentation Package

Order No. 010144

Reference Manual for the Ada Programming Language Domain/Ada Development System Reference

D3M Documentation Package

Order No. 008126 Introduction to D3M How to Design, Define, and Operate a D3M Database How to Write DML Programs How to Use D3M/Dataview and Formatter

DSEE Documentation Package

Order No. DOC-DSEE

Getting Started with DSEE Engineering in the DSEE Environment Domain Software Engineering Environment (DSEE) Command Reference Domain Software Engineering Environment (DSEE) Call Reference

Technical Publications Overview

Call your local sales office to order any of the documents listed in this booklet. In addition to these publications, we offer documentation update packages and release notes that reflect product changes. You should periodically check with your local sales office to learn whether any new update packages are available. Locations and telephone numbers for worldwide sales offices are listed below.

International Offices

Australia Sydney 61-2-957-3382

Austria Vienna 43-222-257-352

Belgium Brussels 32-2-763-0303

Denmark Copenhagen 45-2-890-977

Finland Helsinki 35-8-0-524-533

France Montigny Le Bretonneux 33-1-305-85833

Hong Kong 852-578-5785

North American Offices

Northeastern USA Framingham, Massachusetts (617) 872–4802

Southeastern USA Atlanta, Georgia (404) 393-4720 39-2-824-2161 Japan

Italy

Milan

Tokyo 81–3–588–1561

Korea Seoul 82-2-553-4630

Netherlands Houten 31-34-039-03211

Norway Oslo 47-2-23-28-80

Singapore 65-345-8633

Northwestern USA

Southwestern USA

Santa Clara, California (408) 496-2900

Laguna Hills, California (714) 768-2988 Sweden Kista 46-8-750-5620

Switzerland Zurich 41-1-833-5060

Taiwan Taipei (88-6) 2-776-5590

United Kingdom Milton Keynes, England 44-90-836-6188

Livingston, Scotland 44-50-641-6868

West Germany Frankfurt 49-69-664-050

North Central USA Schaumburg, Illinois (312) 882–7030

Canada Scarborough, Ontario (416) 297-0700

When ordering manuals, you may also want to order binders and a label sheet. The binders come in two sizes: a large, 2-inch binder and a small, 1-inch binder. The lists of books on the previous pages indicate which books use the large binder and which use the small binder; books that don't need a binder are not marked. The label sheet includes stick-on titles to place on the binders.

Large 2-inch binder	Order No. 002715-001
Small 1-inch binder	Order No. 002715-003
Label sheet of titles	Order No. 007434-001

Technical Publications Overview

