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iPSC® SYSTEM
TECHNICAL DOCUMENTATION
GUIDE

intel® Corporation

REV.	REVISION HISTORY	DATE
-001	Original Issue	11/90
-002	Revision (Incorporate Release 3.3 document list)	05/91

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INTRODUCTION

This document lists the technical documentation that supports iPSC® Supercomputer Systems. The list consists of a description and ordering information for each document.

ORGANIZATION

The documentation list is partitioned into the following sections:

- iPSC® System Manuals
- Intel® Manuals
- Other Manuals
- Future Manuals

Each of these sections consists of an alphabetical list of documents. Each list includes the following elements:

- Title printed on the title page of the document
- Order number by which you may order the document from Intel Scientific Computers
- Number of pages in the document or document configuration
- Brief description of the document

HOW TO ORDER A DOCUMENT

You can order a document through your Intel Supercomputer Systems Division sales representative. Your sales representative will need the following information (available in this document):

- Title of the document
- Order number of the document

iPSC® SYSTEM TECHNICAL DOCUMENTATION LISTS

iPSC® System Manuals

(REV)*iPSC®/2 and iPSC®/860 C Commands and Routines Quick Reference*
311610-004 (8.5 X 3.5 booklet; 12 pages)
Summarizes all C routines and commands for the iPSC system.

iPSC®/2 and iPSC®/860 C Language Reference Manual
311567-004 (140 pages)
Describes the Green Hills C compiler for the iPSC/2 and iPSC/860 systems.

iPSC®/2 and iPSC®/860 FORGE User's Guide
311866-001 (238 pages)
Tells how to use the FORGE tool set to analyze Fortran programs and to port them to a parallel machine.

(REV)*iPSC®/2 and iPSC®/860 Fortran Commands and Routines Quick Reference*
311615-004 (8.5 X 3.5 booklet; 12 pages)
Summarizes all Fortran routines and commands and for the iPSC system.

(REV)*iPSC®/2 and iPSC®/860 Hardware Installation Manual*
311461-003 (80 pages)
(Replaces 311461-001 and 313990-001)
Describes installation and powering up of all iPSC system configurations.

(NEW)*iPSC®/2 and iPSC®/860 Interactive Parallel Debugger Commands Quick Reference*
312042-001
(Replaces 311798-001) (8.5 X 3.5 booklet; 8 pages)
Summarizes all iPSC system IPD commands.

(NEW) *iPSC®/2 and iPSC®/860 Interactive Parallel Debugger Manual*
312043-001 (110 pages)
(Replaces 311569-002 and 311826-001)
Tells how to use IPD, the iPSC system concurrent debugger.

iPSC®/2 and iPSC®/860 Math Libraries Reference Manual
311868-001 (302 pages)
Describes the math libraries available on the iPSC system.

(NEW) *iPSC®/2 and iPSC®/860 Network Queueing System Manual*
312061-002 (154 pages)
Tells how to use the network queueing system software.

(REV)*iPSC®/2 and iPSC®/860 Programmer's Reference Manual*
311708-004 (574 pages)
(Replaces 311071-003, 311019-003, and-311831-001)
Provides detailed information on all C and Fortran routines and commands for the iPSC system.

(REV)*iPSC®/2 and iPSC®/860 Site Preparation Guide*
312028-001 (36 pages)
Tells the customer how to prepare a site for the installation of an iPSC system.

iPSC®/2 and iPSC®/860 System Acceptance Test User's Guide
311870-001 (52 pages)
Tells how to use the System Acceptance Test.

(REV)*iPSC®/2 and iPSC®/860 System Administrator's Guide*
311014-006 (102 pages)
(Replaces 311842-001 and 311833-001)
Describes the system administration tasks related to operating and maintaining an iPSC system.

(REV)*iPSC®/2 and iPSC®/860 User's Guide*
311532-007 (134 pages)
Overviews the iPSC system, including hardware and software architectures. Tells how to develop and run programs.

iPSC®/2 and iPSC®/860 VME Interface Reference Manual
311785-002 (116 pages)
Describes the installation and development of software drivers for the VME Interface Adapter board.

iPSC®/2 Ada Commands and Routines Quick Reference
311759-002 (8.5 X 3.5 booklet; 8 pages)
Summarizes all Ada routines and commands for the iPSC/2 system.

iPSC®/2 Ada Program Development Guide
311768-001 (402 pages)
Describes and tells how to use the tools for developing Ada programs for the iPSC/2 system.

iPSC®/2 Ada Program Development Guide Change Notice
311929-001 (160 pages)
Adds information on how to use the Ada cross-debugger for developing Ada programs for the iPSC/2 system.

iPSC®/2 Ada Programmer's Reference Manual
311767-001 (186 pages)
Describes all Ada routines and commands for the iPSC/2 system.

iPSC®/2 Ada Programmer's Reference Manual Change Notice
312045-001 (6 pages)
Changes the **getcube()** manual page.

iPSC®/2 Fortran Language Reference Manual
311020-004 (228 pages)
Describes the Green Hills Fortran compiler for the iPSC/2 system.

iPSC®/2 Lisp Language Reference Manual
311630-001 (408 pages)
Describes the iPSC/2 implementation of Common Lisp. It explains iPSC/2 Lisp language features and extensions.

iPSC®/2 Lisp Language Reference Manual Change Notice
311799-001 (138 pages)
Adds The Flavors System documentation to the *iPSC®/2 Lisp Language Reference Manual.*

iPSC®/2 Lisp Programmer's Reference Manual
311629-001 (134 pages)
Provides detailed information on the iPSC/2 Lisp User Interface and iPSC/2 Lisp-unique Concurrent Constructs.

iPSC®/2 Lisp Programming Quick Reference
311631-002 (8.5 X 3.5 booklet)
Summarizes all Lisp constructs for the iPSC/2 system.

iPSC®/2 Simulator Manual
311534-003 (108 pages)
Tells how to use the iPSC/2 Simulator for software development.

(NEW)*iPSC®/860 Basic Math Library User's Guide*
312128-001 (176 pages)
Describes the basic linear algebra subroutines for the iPSC/860 systems.

(NEW)*iPSC®/860 C Compiler User's Guide*
312130-001 (92 pages)
Describes the C cross-compiler and compiler driver for iPSC/860 systems.

(NEW)*iPSC®/860 Fortran Compiler User's Guide*
312131-001 (136 pages)
Describes the Fortran cross-compiler and compiler driver for iPSC/860 systems.

(NEW) *iPSC®/860 Parallel Performance Analysis Tools Manual*
312139-001 (150)
Tells how to use the performance analysis software for the iPSC/860 system.

Intel® Manuals

UNIX System V Release 3.2 NFS User's/System Administrator's Guide and Reference
465725-001
Describes the NFS programming environment and provides user and system administration information.

UNIX System V Release 3.2 NFS Programmer's Guide and Reference
465726-001
Describes the NFS programming environment and tools.

UNIX System V Release 3.2 TCP/IP Administrator's Guide and Reference
465728-001
(Replaces Excelan TCP/IP documentation)
Describes TCP/IP Network administration.

UNIX System V Release 3.2 TCP/IP Programmer's Guide and Reference
465729-001
(Replaces Excelan TCP/IP documentation)
Describes the TCP/IP Network programming environment and provides information on programming tools.

UNIX System V Release 3.2 TCP/IP User's Guide and Reference
465727-001
(Replaces Excelan TCP/IP documentation)
Describes the TCP/IP Network programming environment and provides user information.

i860™ 64-Bit Microprocessor Assembler and Linker Reference Manual
240436-003
Tells how to use the i860 microprocessor assembler and linker. When you order this manual, you also receive the following manuals:

i860™ 64-Bit Microprocessor Object File Utilities Reference Manual
464410-002
Provides reference information for using the i860 microprocessor object file utilities.

i860™ 64-Bit Microprocessor Simulator and Debugger Reference Manual
240437-003
Describes the i860 microprocessor debugger and simulator.

i860™ 64-Bit Microprocessor Fortran Language Reference Manual
240726-001
Describes the language constructs, syntax, and general programming guidelines for using the Green Hills i860 Fortran compiler. When you order this manual, you also receive the following manual:

i860™ 64-Bit Microprocessor Fortran Compiler User's Guide
240730-001
Describes the Green Hills i860 Fortran compiler.

i860™ 64-Bit Microprocessor Programmer's Reference Manual
240329-002
Tells how to use the i860 microprocessor.

SYP301 Installation and User's Guide
451684-001
Tells how to install and start the System Resource Manager. Also provides hardware technical data.

UNIX Release R3.2 Manuals Literature Kit, UNXSYS386R3.2
Consists of the following documents:

(NEW) *UNIX System V Integrated Software Development Guide*
465274-001
Supplies information needed to write application software and installable drivers for new hardware additions for UNIX.

(NEW) *UNIX System V Introduction to UNIX System V*
465273-001
Introduces you to UNIX System V Release 3.2 on PC AT compatible computers using Intel 386™ and 486™ microprocessors.

(NEW) *UNIX System V Network Programmer's Guide*
465282-001
Describes the UNIX System network programming environment, and provides detailed descriptions of programming tools.

(NEW) *UNIX System V Programmer's Guide, Vol. I*
465277-001
Describes the UNIX System programming environment, and provides detailed descriptions of programming tools.

(NEW) *UNIX System V Programmer's Guide, Vol. II*
465278-001
Describes the UNIX System programming environment, and provides detailed descriptions of programming tools.

(NEW) *UNIX System V Programmer's Reference Manual*
465276-001
Contains descriptions of commands, system calls, subroutines, libraries, file formats, macro packages, and character set tables.

(NEW) *UNIX System V Software Development Set*
465255-001
Provides UNIX System V Release 3.2 release notes.

(NEW) *UNIX System V Streams Primer*
465283-001
Introduces the UNIX System streams programming environment.

(NEW) *UNIX System V Streams Programmer's Guide*
465279-001
Describes the UNIX System streams programming environment, and provides detailed descriptions of programming tools.

(NEW) *UNIX System V System Administrator's Guide*
465280-001
Describes system maintenance tasks performed on the System Resource Manager under UNIX.

(NEW) *UNIX System V System Administrator's Reference Manual*
465281-001
Describes the UNIX System commands used by system administrators.

(NEW) *UNIX System V User's Guide*
465275-001
Provides a general description of UNIX.

Other Manuals

C: A Reference Manual - Harbison and Steele
480628-001
Describes the C programming language.

Reference Manual For The Ada Programming Language - ANSI/MIL-STD-1815A-1983
311795-001
Describes the Ada programming language.

The C Programming Language - Kernighan and Ritchie
122008-002
Describes the C programming language.

The X Window System Manual Set
311953-001
Consists of the following documents:

Volume 0 - X Protocol Reference Manual - O'Reilly & Associates, Inc.
ISBN 0-937175-40-0
Provides reference information on X Network Protocol, the language for communication between the X server and X client.

Volume 1 - Xlib Programming Manual - O'Reilly & Associates, Inc.
ISBN 0-937175-26-9
Tells how to program using the X library, the lowest level programming interface to the X window system.

Volume 2 - Xlib Reference Manual - O'Reilly & Associates, Inc.
ISBN 0-937175-12-9
Provides reference information for programming using the X library.

Volume 4 - X Toolkit Intrinsics Programming Manual - O'Reilly & Associates, Inc.
ISBN 0-937175-34-X
Tells how to program using the X Toolkit.

Volume 5 - X Toolkit Intrinsics Reference Manual - O'Reilly & Associates, Inc.
ISBN 0-937175-35-8
Provides reference information for programming using the X Toolkit.

(REV) *UNIX V - The Quick Reference Guide*
311533-003
Summarizes UNIX commands, buzzwords, C shell hints and standard directory layout.

Obsolete Manuals

iPSC®/2 and iPSC®/860 LOOCS User's Guide
311867-001 **PRELIMINARY** (60 pages)
Tells how to use the LOOCS (Large Out Of Core Solver) software to solve very large matrices.

iPSC®/2 and iPSC®/860 LOOCS User's Guide (Boeing) Not Available
311930-001 **PRELIMINARY** (54 pages)
Tells how to use the LOOCS (Large Out Of Core Solver) software on the Boeing machine to solve very large matrices.

iPSC®/2 VAST2 User's Guide $4.30
311571-002 (102 pages)
Tells how to use the iPSC/2-VX version of VAST2 software.

iPSC®/2-VX User's Guide
311570-002 (120 pages)
Describes development of programs for the iPSC/2-VX vector processing system.