

INTEL CORPORATION  
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Dear XENIX\* 286 Customer:

Congratulations on your purchase of Intel's XENIX 286 Operating System. With this product, you own more than a powerful multiuser operating system that offers timesharing and memory protection. You have a multitasking operating system designed to take full advantage of Intel's complete system solution.

To help you begin your development work as quickly as possible, this product includes both the diskettes containing the software and a complete collection of supporting documentation.

- o XENIX 286 Operating System -- Nine (9) 8-Inch, Double-Sided, Double-Density Flexible Diskettes.
- o XENIX System Analysis Test (XSAT) Diagnostic Diskette -- One (1) 8-Inch, Double-Sided, Double-Density Flexible Diskette.
- o XENIX Fundamentals (Volume 1)
- o The XENIX Installation Guide (Volume 2)
- o The XENIX Operation Guide (Volume 3)
- o The XENIX Software Development Manual (Volume 4)
- o The XENIX Text Processing Manual (Volume 5)
- o The XENIX Reference Manual (Volume 6)

\* XENIX is a trademark of Microsoft Corporation.

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While it is preconfigured to support Intel's System 286/380X, the XENIX 286 Operating System can support additional drivers through its "config" utility. The XENIX Reference Manual fully describes this utility and outlines instructions on configuring drivers for the XENIX 286 Operating System.

### XSAT Diagnostic Diskette

The XENIX System Analysis Test (XSAT) contains a series of system tests designed to exercise a System 286/380X. You can find a complete description of XSAT in the Miscellany section of the XENIX Reference Manual.

To assist you in using XENIX 286, the XENIX Operating System Documentation comes in six volumes.

- o     XENIX Fundamentals  
This manual provides a concise overview of the XENIX 286 Operating System and is designed to bring a XENIX user up to speed as quickly as possible.
- o     The XENIX Installation Guide  
This guide tells you how to install and set up XENIX on your computer. Be sure to read this document before you attempt to install your XENIX 286 Operating System.
- o     The XENIX Operations Guide  
This guide shows how to manage and maintain the whole XENIX System. To ensure the integrity of your XENIX system, your System Administrator should review this document.
- o     The XENIX Software Development Manual  
This manual explains how to write programs that interface to the XENIX Operating System and how to use some of the powerful tools available in the XENIX programming environment. (All the tools described in this manual are included in the XENIX 286 Operating System)
- o     The XENIX Text Processing Manual  
This manual explains how to use text processing and text formatting tools. (All the tools described in this manual are included in the XENIX 286 Operating System.)
- o     The XENIX Reference Manual  
This manual contains a comprehensive description of each XENIX command and is designed to be used as an everyday reference tool.

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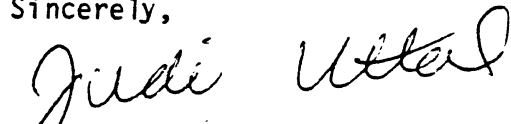
Customer Newsletters/Technical Bulletin (;COMMENTS)

A monthly bulletin, ;COMMENTS, features current information on software products, Software Support Services, and new products. All active Software Support Services customers receive complimentary copies.

During the warranty period, you'll receive all available updates and new product releases for the XENIX 286 Operating System. Once the warranty expires, you're invited to take advantage of Intel support services by purchasing additional service packages or by arranging for an on-site consultation with Intel's trained System Specialists. Your local Intel sales office can supply more information on these and other support services.

Again, congratulations on choosing Intel's XENIX 286 Operating System. And welcome to Intel's complete system solution.

Sincerely,



Judi Uttal  
XENIX 286 Operating System Product Manager

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## Product Limitations

During the evaluation process of XENIX 286, several product limitations were noted. These are provided below for your convenience:

- SBC 286/10 The iSBC 286/10 processor board has two RS-232 serial channels. The standard configuration for XENIX 286 requires the use of channel B as the system console. Channel A should not be used for serial communication.
- RAM Capacity As recieved from the factory, this XENIX system software is configured for use in systems with up to 1Mb of RAM.
- C Compiler The XENIX 286 C Compiler will result in a symbol table overflow condition if more than 500 entries appear in the symbol table.
- The new "middle model" C compiler supports up to 1Mb of text and 64K of combined initialized and uninitialized data. Please note that no single module may have greater than 64K of text. Users may combine several modules to access up to the 1Mb limit. In addition, although 64K of data space is available per process, there is some overhead involved in loading a program. The result is programs are limited to 60K of usable data space.
- Correct programs that use floating point, when compiled in middle model, may cause compiler errors. These programs will compile correctly in small model.
- adb The adb utility is not included in this release. It will be available in the subsequent release.
- ld The -r option documented in the XENIX 86 Release 1 documentation is not supported by XENIX 286 Release 1. The -r option generates relocation bits in the output file so that it can be subject to another ld.
- The ld utility occassionally will issue the following message "Unresolved External Message" without citing any symbol names. This message represents a minor problem with the linker. ld will return an error status, however the a.out file generated will be executable and should not contain any errors related to this bug.
- Note cc invokes ld, so these problems may appear while executing a compile.

## XENIX IDENTIFICATION NUMBER INSTRUCTIONS

Attached is your XENIX Identification Number Sticker. Please place this on your system. This Identification Number is NOT to be used for the software license you have signed. The Identification Number is to be used by Intel for internal purposes. (The number to be used for the Licensing Agreement is the CPU Serial Number located on the back of the system chassis.)

### Instructions for applying Identification Sticker:

- 1 Clean surface thoroughly.
- 2 Bend sticker and peel back off slowly.
- 3 Place sticker on the system in the area of the system nameplate.



## INSTALLATION

~~(SEE ISXM 100 MANUAL FOR MORE DETAIL)~~

0.. unlock disk drives

1. POWER ON!  $\Rightarrow$  WIN1 FIRST

2. SLAP BOOT DISK INTO DRIVE

3. HIT RESET

4. AFTER <sup>Console Cursor Backspace</sup> ~~ASTERISKS START~~, TYPE UPPERCASE II  
( THIS <sup>Boots 286 Monitor</sup> ~~INVOKES THE SYSTEM CONFIDENCE TEST~~ )

5. ~~WHEN PROMPTED BY PIC TEST, HIT INTERRUPT~~

6. WHEN PROMPT "." APPEARS TYPE: B:WFO:XENIX.GEN

7. SYSTEM WILL RUN THROUGH SOME MESSAGES, THEN PROMPT:

<sup>BOOTSYS</sup>  
7.5 <sup>ns-re that there is a "write tab" on Floppy</sup>  
TYPE: /ETC/MKSYS

8. MESSAGE WILL APPEAR:

"ABOUT TO INITIALIZE PRIAM, OK?"

TYPE LOWER CASE 'Y' <CR>

9. AFTER MUCH GRUNTING, GRINDING, & COMPLAINING:

**\*\* NORMAL SYSTEM SHUTDOWN\*\***

THE WIN1 HAS NOW BEEN FORMATTED AND LOADED TO BOOT XENIX

8.5 Messages will appear regarding data in  
partitions wfa & wfc. respond 'y' for  
overwrite query :



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10. REMOVE BOOT DISK FROM DRIVE AND HIT RESET

11. AFTER <sup>BACKSPACE</sup> ~~ASTERISKS~~, TYPE U

12. ~~AT PIC TEST, ENTER B <CR>~~

13. ~~AFTER THE SCT TEST, '#' WILL APPEAR ON SCREEN~~  
TYPE: /ETC/MKSYS

14. VARIOUS MESSAGES WILL APPEAR THEN:

"INSERT DISKETTE LABELED ROOT 1 OF 3 & TYPE A CR "  
DO AS IT SAYS

15. AFTER IT HAS DIGESTED THIS DISK, THE SYSTEM WILL  
ASK FOR ROOT #2, #3 ETC. IGNORE MESSAGES SUCH AS:  
/BIN/SH CANNOT CREATE

16. MESSAGE: ~~"UPGRADE YET?"~~

ANS: ~~NO~~

MESSAGE: "SET IIP LEARN SCRIPTS?"

ANS: YES

MESSAGE: "SET IIP ISBC-<sup>544</sup>~~534~~ FOR LOGIN?"

ANS: YES

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17. EVENTUALLY, THE PROMPT "#" WILL APPEAR. THE  
SYSTEM HAS BEEN BOOTED UP SINGLE USER AND YOU  
ARE LOGGED IN AS ROOT ( SUPERUSER ).

18. USE THE COMMAND "PASSWD" TO ASSIGN A PASSWORD

19. TYPE CONTROL D TO COME UP MULTIUSER

\*\*\*\*\*

~~THE ACCESS PERMISSION TO THE PASSWORD FILE MUST INITIALLY  
BE CHANGED. TYPE:~~

~~CHMOD 0+R /ETC/PASSWD~~

~~IF THERE IS A LINE PRINTER, THE DRIVER FILE MUST BE CREATED~~

~~1. CD /DEV~~

~~2. MAKE LP~~

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