Dear OS/2 User:

The Inboard 386 now supports OS/2 Standard Edition Version 1.0 (SE 1.0) on IBM AT or COMPAQ DESKPRO 286, PORTABLE 286, or PORTABLE II computers. This package contains Inboard 386 software for OS/2 and instructions for installing the Inboard 386 with OS/2.

The Inboard™ 386 Personal Computer Enhancement manual contains instructions for installing the Inboard 386 with DOS. Some of the instructions don't apply to OS/2. Use the enclosed instructions to install the Inboard 386 for OS/2 SE 1.0.

These instructions are for IBM AT and COMPAQ DESKPRO 286, PORTABLE 286, or PORTABLE II users only. Each computer manufacturer has its own version of OS/2 which works only with its computers. For example, you can use IBM's OS/2 SE 1.0 only with an IBM AT, and not with a COMPAQ. Intel will test versions of OS/2 from other manufacturers when they are available.

Enjoy your new Inboard 386 with your new operating system!

FCC COMPLIANCE STATEMENT

This board generates and uses energy of about the same frequency as radio and TV broadcasts. Installed incorrectly, it may interfere with reception of radio and TV broadcasts.

The board has been certified to be within energy emission limits for Class B computing devices as defined in the FCC Rules, Part 15, Subpart J. Installed correctly, it probably will not interfere with your radio or TV. However, we do not guarantee the absence of interference.

Only peripherals (computer input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this board. Operation with non-certified peripherals is likely to result in interference with radio and TV reception. NOTE: shielded, grounded cables must be used.

If you suspect this board is causing interference, turn your computer on and off while your radio or TV is showing interference. If the interference disappears when you turn the computer off and reappears when you turn the computer on, something in the computer is causing interference.

To reduce interference, try these suggestions:

● Change the direction of the radio or TV antenna.

● Move the computer, the radio, or the TV. For example, if the computer is to the right of the TV, move it to the left of the TV. Or, move the computer farther away from the radio or TV.

● Plug the computer into a different circuit. Don't plug your radio or TV into the same circuit as your computer's.

● Ensure that all expansion slots (on the back or side of the computer) are covered. Also, ensure that all metal retaining brackets are tightly attached to the computer.

If these suggestions don't help, consult your computer dealer or an experienced radio/TV technician for more suggestions. You might find the following booklet helpful:

"How to Identify and Resolve Radio-TV Interference Problems"

You can order the booklet from the U.S. Government Printing Office, Washington, DC 20402. Ask for stock number 004-000-00345-4.

BESCHEINIGUNG DES HERSTELLERS/IMPORTEURS

Hiermit wird bescheinigt, daß der/die/das

Inboard 386

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der

Vfg 1046/84

(Amtablattvertügung)

funk-enstört ist.

Der Deutschen Bundespost wurde das inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprufüng der Serie auf Einhaltung der Bestimmungen eingeräumt.

Intel Corporation

Name des Herstellers/Importeurs

PCEO

301562-001A   273083

INSTALLING YOUR INBOARD™ 386 FOR OS/2

Install the Inboard 386 software for OS/2 only on an IBM AT or COMPAQ DESKPRO 286, PORTABLE 286, or PORTABLE II computer.

The *Inboard™ 386 Personal Computer Enhancement* manual (included with this kit) contains instructions for installing the Inboard 386 with DOS. Some of the instructions don't apply to OS/2. Use the instructions in this booklet to install the Inboard 386 for OS/2 Standard Edition Version 1.0 (SE 1.0). Refer to the Inboard 386 manual only when these instructions tell you to.

Because you'll be installing the Inboard 386 software for OS/2, don't also install the Inboard 386 software for DOS.

OS/2, DOS, and the Inboard™ 386

Because OS/2 and DOS work differently, some features on the Inboard 386 are available to DOS users but not OS/2 users. And some features are no longer needed because OS/2 provides them. Here are the differences between the Inboard 386 software for DOS and for OS/2.

- **Changing speed with function keys.** With DOS, you can change speed while a program is running by pressing Left-shift/Ctrl/Alt/*n* or from the DOS prompt by entering the SPEED command. With OS/2, you can change speed only from the DOS compatibility box (using the SPEED command) and not while a program is running.

- **Caching.** Caching the hard disk and an enhanced graphics adapter (EGA) are Inboard 386 utilities for DOS. You can't use them with OS/2.

- **Using expanded memory.** The Inboard 386 software for DOS includes the Expanded Memory Manager (EMM) 4.0. At this time, expanded memory doesn't run on OS/2.

Installing the Inboard™ 386

Follow the steps in this section to install the Inboard 386.

NOTE

*Appendix F describes a jumper for non-DOS users. This jumper is for operating systems such as XENIX and UNIX. It **doesn't** apply to OS/2. Your Inboard 386 is ready to use with OS/2. Don't adjust anything but the Inboard 386 switch settings.*

1 Set the switches on the Inboard 386. For switch setting information, refer to Appendix F in the manual that came with this upgrade. Don't use Chapter 3 to set switches. (It describes setting switches using a program not appropriate for OS/2 users.)

2 At this time, expanded memory doesn't run on OS/2. If you have memory boards providing expanded memory, either remove the boards or reset them to provide extended memory. For information on using Inboard 386 with other memory boards, refer to Appendix F in the Inboard 386 manual.

3 Follow the instructions in the Inboard 386 manual to install the Inboard 386 (Chapter 4 for IBM AT and Chapter 5 for COMPAQ).

4 Turn to Chapter 8 in the Inboard 386 manual for information on running your computer's setup program.

Installing the Inboard™ 386 software for OS/2

Follow the steps in this section to install the Inboard 386 software for OS/2.

1 If you haven't done so already, install OS/2.

2 Put a DOS diskette in drive A (be sure the DOS diskette contains only DOS), and restart (warm boot) the computer by pressing Ctrl/Alt/Del.

3 Read Chapters 1 and 2 in the manual. Don't read Chapter 3. Instead, go on to step 4 in this section.

4 Add the following command as the **first** line of the CONFIG.SYS file in the hard disk's root directory (use any ASCII file editor, such as EDLIN, to edit the CONFIG.SYS file).

```
DEVICE = INBRDOS2.SYS
```

5 Make a backup copy of the diskette titled "Inboard 386 for OS/2". (Refer to the DOS manual that came with your computer if you don't know how to copy a diskette.)

6   With your screen displaying the prompt, remove the DOS diskette and insert the backup copy of the Inboard 386 OS/2 diskette into drive A.

7   Use the COPY command to copy the Inboard 386 OS/2 software to the root directory of your hard disk:

COPY   A:*.* C:\   < Enter ↵ >>

8   Remove the Inboard 386 OS/2 diskette. Turn the computer off and then on (cold boot). The Inboard 386 software can't take effect until you do.

Now that you've installed the Inboard 386 software and board, you're ready to enjoy the increased performance. Go to the next section to learn how.

Using the Inboard™ 386 software for OS/2

With OS/2, you can't change speed by pressing the keys Left-shift/Ctrl/Alt/n (as DOS users can). Instead, use the SPEED command.

NOTE

Enter the SPEED command from the DOS compatibility box. You can use the SPEED command with OS/2 only from the compatibility box.

The SPEED command has the following format:

SPEED [n] [x]

The n parameter specifies the operating speed of the Inboard 386. The n can be 1, 2, 3, or 4 (4 is the fastest speed). If you don't specify n, the Inboard 386's operating speed isn't changed.

CAUTION

The Inboard 386 must be in speed 2 or 4 before you can warm boot (Ctrl/Alt/Del) the computer. If you try to warm boot in speed 1 or 3, the computer will hang, and you'll have to cold boot (turn the power off and then on) to continue.
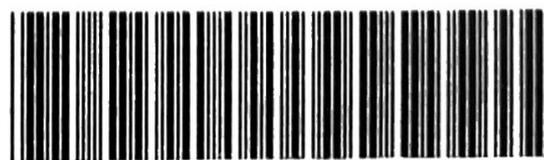
The x parameter specifies the amount of memory on an enhanced graphics adapter (EGA) in the computer. Enter the x parameter *only* if your computer has an EGA. The x parameter can be 64, 128, 192, 256, or AUTO. The numbers specify the amount of memory (in Kbytes) the EGA has. AUTO tells SPEED.EXE to figure the amount of memory the EGA has on it. If you don't specify x, SPEED.EXE assumes there isn't an EGA installed in the computer.

To find out which value for x you should use, enter AUTO first. If you don't have problems with the monitor, continue using AUTO. If the monitor behaves strangely, try 256, then 192, and so on until you find the value for x that works with your monitor.

HINT

Because most application programs run in fast mode, consider adding the SPEED 4 command to your AUTOEXEC.BAT file. If you add it, the Inboard 386 will automatically switch to fast mode whenever you enter the DOS compatibility box. (If you have an EGA, be sure to include the x parameter.)

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