

- Apple had also contacted to Toshiba in order to get their high technology such as Laptop PC, Audio, Video as well as home electronics. But the relationship between Apple and Sony was more stronger than with Toshiba.
- Apple shipped MAC Portable with 1.2kg, 998,000yen. The sales status was very bad due to such heavy weight and high price.
- Apple needs Sony's technology and Sony needs Apple's one.

* N E W M A C H I N E *

- CPU = Motorola MC68000 C-MOS type
- Clock = 16MHz
- Weight = 2 - 2.5 kg
- Price = \$2,000 - \$2,500 (298,000 yen ?)
- will work System 7 VERY COMFORTABLE !!
- It probably down sized or function reduced of System 7 version.
- with BallMouse (a kind of Built-in Mouse)

* S T R A T E G Y *

- World wide is their target market, using current channel including Japan with this system 7J.
- will be produced about the same number as MAC-ClassiC. i.e. 700,000 - 800,000 unit / year
- NoteBook as well as DeskTop (I'm not sure, but several types of machines will be released)
- will be shipped by the end of this year.
- This is a OEM deal. Sony does not sell it to end-user directly. Because Sony's PC sales status are not going well. Around 10,000 units were shipped last several years. Therefore Sony does not take any risks to sell it as a Sony brand. (But if a bunch of this new machines were sold, Sony maybe change their OEM strategy and then Sony will release it as their own PC if Apple agree it)

Please keep this information confidential outside MS
Thank you. Ken.

>From markan Sun Aug 18 18:11:28 1991
To: bobax; jolnpu
Cc: markan
Subject: RE: Sony/Apple deal
Date: Mon Aug 19 09:59:20 PDT 1991

I don't have any information on this. We hear scary rumors about things Sony is working on or planning to do quite often, but it is pretty tough to get info out of them. There is a "secret" group with the Personal Info Sys group that is working on Apple related projects, including a Mac laptop that will be introduced this fall. This thing described in the Infoworld sounds like it might be the device Apple/Sony/General Magic are working on.

Sony tends to work on a lot of different (and incompatible) technologies at the same time, even within the same group. The Personal Information group is working on the NEWS workstations (UNIX), the QuarterL AX-compatibles (DOS/Win), the 68k-based Palmtops (proprietary), the Apple laptop, and the V20 (8086)-based Bookman (DOS). The best bet for a doc (and eventually win) consumer electronic device is the Bookman, and we have been pursuing this quite doggedly. The Bookman would hopefully be the starting point for a series of more powerful machines.

- Mark

1158
From korys Mon Aug 19 10:33:38 1991
To: winteam
Subject: Bug Numbers
Date: Mon Aug 19 10:27:20 PDT 1991

Date: Mon Aug 19 10:17:45 PDT 1991

* * AT A GLANCE * *

Total Active Bugs:

Severity	1	2	3	4	Total
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CONFIDENTIAL

MX-5174991
CONFIDENTIAL

MS 5055435
CONFIDENTIAL

MSC 00700439

Plaintiff's Exhibit
7618
Comes V. Microsoft

Total 231 522 574 46 1373

1159
From davidcoj Mon Aug 19 10:39:01 1991
To: winwar
Subject: MM div 0 error
Cc: chrisg
Date: Mon Aug 19 10:38:23 1991

I called both Rameen (developer) and Ivar (manager type) to see what was happening. They are having a meeting on this topic as I type and will call me back in 1 hour with what is happening

1160
From lisacr Mon Aug 19 10:40:26 1991
To: lisacr; winwar
Subject: Re: Summary War Team Meeting this morning
Date: Mon, 19 Aug 91 10:38:23 PDT

Bug #11643: Not a beta 2 stopper. Johnen will change pri 1 => 2 and communicate change to development.

Mistake on my part I meant the opposite. It IS a beta 2 stopper and Johnen will change from Pri 2 -> 1 and let development know.

Sorry, one side of my head is still stuffed up.

Lisa

1161
From jodyg Mon Aug 19 10:40:49 1991
To: bradsi
Subject: Re: PF Test Results
Date: Mon Aug 19 10:39:38 1991

(I assume you've seen Scottg's mail that suggests no conclusions should be drawn from the data because the tests are not good ones for testing cache performance.)

With that in mind:

Bens summarized it quite well, but I'll add:
Sequential Reads:
Bambi and Smartdrv are about the same, Superfat is slower.

Sequential Writes:
Bambi and Superfat are about the same, Smartdrv is way slower.
Superfat just squeaks under Bambi.

Random Reads:
Superfat is far faster than both Bambi and Smartdrv, which are about the same.

Random Writes:
Bambi beats Smartdrv by 60-80%, but Superfat is far faster than Bambi.

1162
From toddm Mon Aug 19 10:47:27 1991
To: dondev richt
Subject: TOSHIBA.TXT--Limitations of MS-DOS 5 Upgrade
Date: Mon Aug 19 10:45:40 PDT 1991

This file is being distributed by Toshiba to its customers via its BBS. It contains information on limitations of MS-DOS 5 on Toshiba machines, some of which may be worthy of inclusion in the README.TXT file for our upgrade

LIMITATIONS OF THE (GENERIC) MS-DOS 5.0 UPGRADE PACKAGE

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MX 5174995
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MSC 00700440

The MS-DOS 5.0 Retail Upgrade Package was announced on 6/11/91. The following is a list of known limitations that users of Toshiba PCs will encounter when they attempt to use the DOS 5.0 retail package on their system. The following should help answer most questions regarding the use of the retail version of MS-DOS 5.0 on Toshiba PCs.

All of these problems will be corrected on Toshiba MS-DOS 5.0

- o EMM386 and RESUME not compatible : The EMM386 driver allows DOS 5.0 to simulate Expanded (EMS) memory on machines using a 386 processor. It also allows TSRs and device drivers to be loaded into high memory thus freeing up conventional memory for applications. The current driver from Microsoft is not compatible with RESUME mode on the T3100SX and T2000SX. This causes the machine to hang after a power down/up cycle. The user has to press the hard reset button in order to remove the machine from this state.
- o EMM386 disables the PopUp Window : If the EMM386 driver is loaded, then the Fn-PopUp key combination does not allow the PopUp Window to be displayed. Therefore the user is unable to view the current battery status or change any of the battery saving features.
- o DOS Shell task switcher does not preserve the Gray Scale map : The DOS 5.0 Shell allows task switching. If the user has several tasks active, using VCHAD to adjust the gray scales for a given session will cause the gray scales for other tasks to be corrupted. Toshiba MS-DOS 5.0 will contain a TSR which will preserve the gray scales for each active session.
- o HardRAM is not recognized : MS-DOS 5.0 will not recognize HardRAM unless the user first runs FDISK on the HardRAM drive. Toshiba DOS 5.0 will not require or allow the user to run FDISK on HardRAM.
- o IC Disk not recognized : DOS 5.0 does not recognize ROM DOS drive. This occurs on machines with DOS 3.30 in ROM (T1000SE, T1000XE). The SETUP10 and CHAD utilities that are stored in ROM are not recognized by the standard Microsoft product.
- o Toshiba Video modes not supported : All EGA and VGA Toshiba machines have special video modes that are not supported by MS-DOS 5.0.
- o VCHAD, XCHAD, GSM display garbage in DOS Shell : All of the for-mentioned gray scale managers have various problems when the DOS Shell is configured for 43 line graphics mode.
- o VCHAD and PopUp Window do not repaint the screen properly : When the DOS Shell is set up for medium or high resolution graphics modes, the VCHAD and PopUp Window's do not repaint the screen properly when they exit. The screen can be restored by forcing the DOS Shell to repaint (Shift-F5).
- o Unreadable installation screens : The default gray scale mappings sometimes produce unreadable or undesirable displays on the LCD and Plasma machines.
- o European Keyboards and Code Pages not supported : Many Toshiba keyboards are not fully compatible with the IBM keyboards. Therefore the European keyboards and fonts will not be supported by the retail DOS 5.0.
- o MODE command does not allow COM port(s) to be set to 19.2K baud : Currently this only works on PS/2 computers. Toshiba will modify MODE to allow the COM ports to be set to 19.2K baud.

1163
From: timbr Mon Aug 19 10:50:31 1991
To: bradh bradsi dand gregro laithhar lioneljo richsa roberth winprog
Cc: darcylyr stoveha
Subject: GUI Setup demo for Windows PM mtg, Tuesday 4pm in the Olympic Rm
Date: Mon, 19 Aug 91 10:50:19 PDT

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MX 5174996
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MSC 00700441