Twitter Thread by <u>foone</u>

foone
@Foone

WHO STOLE MY DISK SECTOR

's	13	System file	5/31/1994 6:22:00 AM
.sys	26,936	System file	5/31/1994 6:22:00 AM
x_	5,241	TX_ File	5/31/1994 6:22:00 AM
:e	15,718	Application	5/31/1994 6:22:00 AM
:e	79,065	Application	5/31/1994 6:22:00 AM
_	84	HL_ File	5/31/1994 6:22:00 AM
.ini	14	Configuration settings	5/31/1994 6:22:00 AM
.bin	94	Binary Art File	5/31/1994 6:22:00 AM
	13	MS-DOS Application	5/31/1994 6:22:00 AM
	40	CP_ File	5/31/1994 6:22:00 AM

Formatting and writing disk ✕

Drive A:

Writing

Error ✕

❌ Disk error on track 75, head 1
Sector not found
The disk media is not recognized. It may not be formatted.

[Abort] [Retry] [Ignore]

.ex_			00 AM
xe			00 AM
om			00 AM
			00 AM
			00 AM
			00 AM
			00 AM
n	15,750	MS-DOS Application	5/31/1994 6:22:00 AM
l.sys	34,598	System file	5/31/1994 6:22:00 AM
sy_	11,759	SY_ File	5/31/1994 6:22:00 AM
	19,512	EX_ File	5/31/1994 6:22:00 AM

what

this is a different disk.

did two disks on my desk go bad at the same time? or is this USB drive A USELESS FAILURE?

config.sys	13	System file	5/31/1994 6:22:00 AM
country.sys	26,936	System file	5/31/1994 6:22:00 AM
country.tx_	5,241	TX_ File	5/31/1994 6:22:00 AM
debug.exe	15,718	Application	5/31/1994 6:22:00 AM
defrag.exe	79,065	Application	5/31/1994 6:22:00 AM
defrag.hl_	^84	HL_ File	5/31/1994 6:22:00 AM
dossetup.ini	14	Configuration settings	5/31/1994 6:22:00 AM
drvspace.bin	94	Binary Art File	5/31/1994 6:22:00 AM
edit.com	13	MS-DOS Application	5/31/1994 6:22:00 AM
ega.cp_	40	CP_ File	5/31/1994 6:22:00 AM
ega2.cp_			D0 AM
ega3.cp_			D0 AM
emm386.ex_			D0 AM
expand.exe			D0 AM
fdisk.exe			D0 AM
format.com			D0 AM
io.sys			D0 AM
iso.cp_			D0 AM
keyb.com	15,750	MS-DOS Application	5/31/1994 6:22:00 AM
keyboard.sys	34,598	System file	5/31/1994 6:22:00 AM
keybrd2.sy_	11,759	SY_ File	5/31/1994 6:22:00 AM
mem.ex_	19,512	EX_ File	5/31/1994 6:22:00 AM
mscdex.exe	25,361	Application	5/31/1994 6:22:00 AM
msdos.sys	38,138	System file	5/31/1994 6:22:00 AM
networks.txt	17,465	TXT File	5/31/1994 6:22:00 AM

Writing disk

Drive A:

Writing

Error

Disk error on track 77, head 1
Sector not found
The disk media is not recognized. It may not be formatted.

Abort   Retry   Ignore

ok I'm trying a third disk and if this fails this drive is going right in the lake

it wrote successfully! now I can install some MS-DOS 6.22

Microsoft MS-DOS 6.22 Setup

Welcome to Setup.

The Setup program prepares MS-DOS 6.22 to run on your computer.

- To set up MS-DOS now, press ENTER.

- To learn more about Setup before continuing, press F1.

- To exit Setup without installing MS-DOS, press F3.

Note: If you have not backed up your files recently, you might want to do so before installing MS-DOS. To back up your files, press F3 to quit Setup now. Then, back up your files by using a backup program.

To continue Setup, press ENTER.

ENTER=Continue F1=Help F3=Exit F5=Remove Color F7=Install to a Floppy Disk

dang it. after all that time installing it, it can't boot.
it doesn't even fail to boot, it just hangs at boot

some stupid problem with partitioning/mbr, probably

yup. boot disk, fdisk /mbr, and now it boots fine.

now I can get some REAL work done.

```
                          DOOM v1.8
                     by id Software, inc.
                     Copyright (C) 1993-94

                      SHAREWARE VERSION
                      PLEASE DISTRIBUTE!

                 Call 1-800-idgames to register.
```

```
Which drive to install to? (example:'C'):_
        Press ESC to quit program.
```
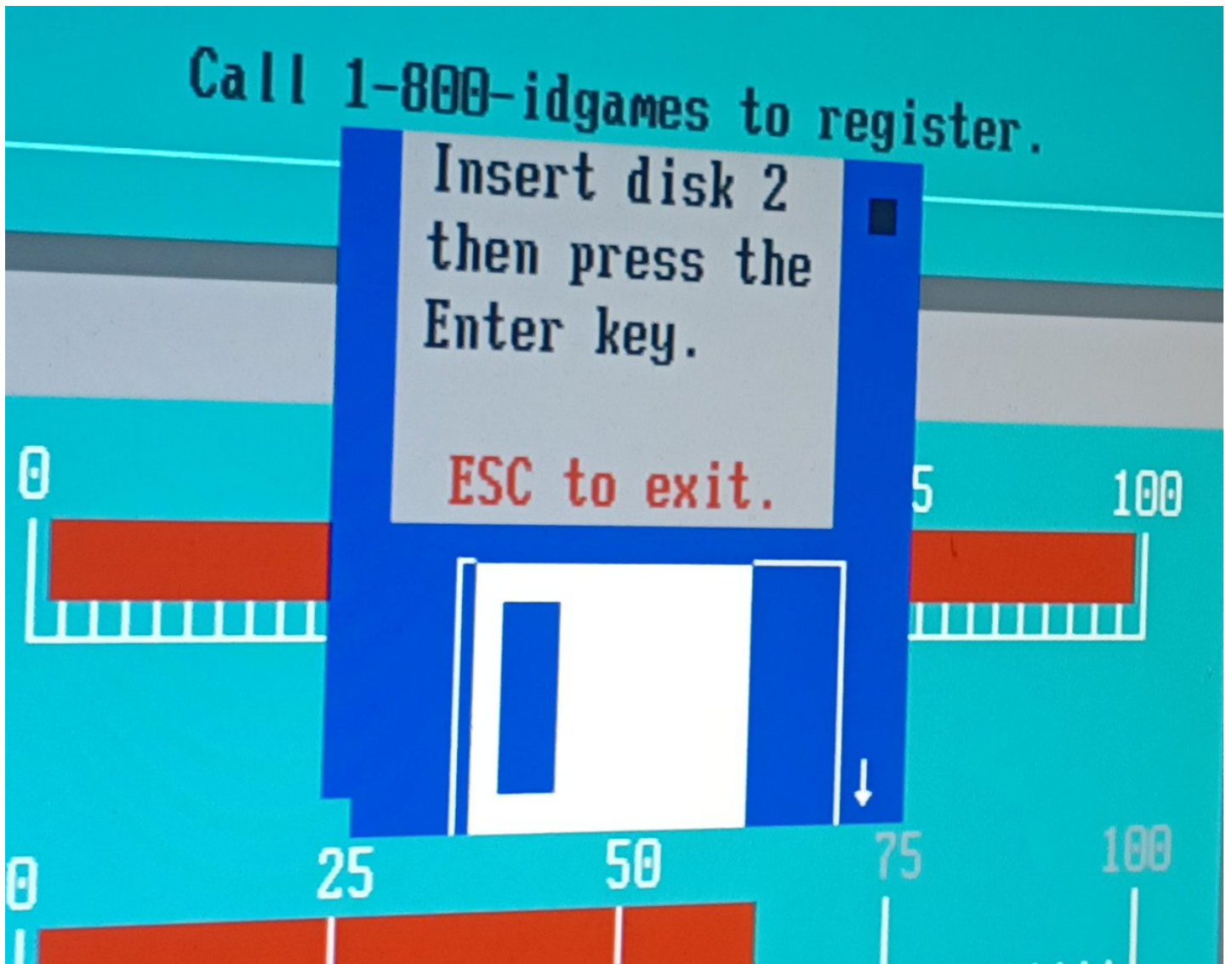
```
|ıııııııı|ıııııııı|ıııııııı|ıııııııı|
           % copied of disk

                         75      100
0          25         50
|ıııııııı|ıııııııı|ıııııııı|ıııııııı|
     % of total installation completed
```
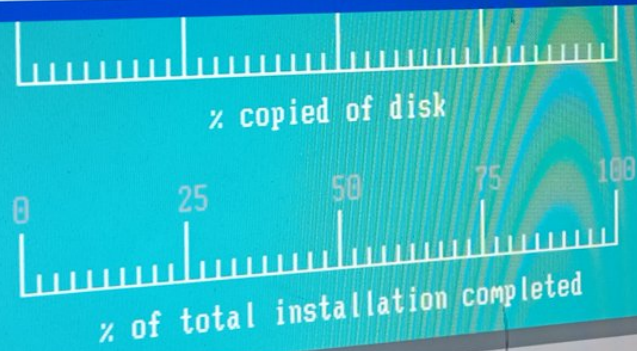
                                              Esc to exit

De-ICE v1.2 by Id Software

god I love this ANSI art floppy disk

Call 1-800-idgames to register.

Insert disk 2
then press the
Enter key.

ESC to exit.

0   5   100

0   25   50   75   100

wait, you can't do that. that's illegal

DOOM v1.8
by id Software, inc.
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SHAREWARE VERSION
PLEASE DISTRIBUTE!

Call 1-800-idgames to register.

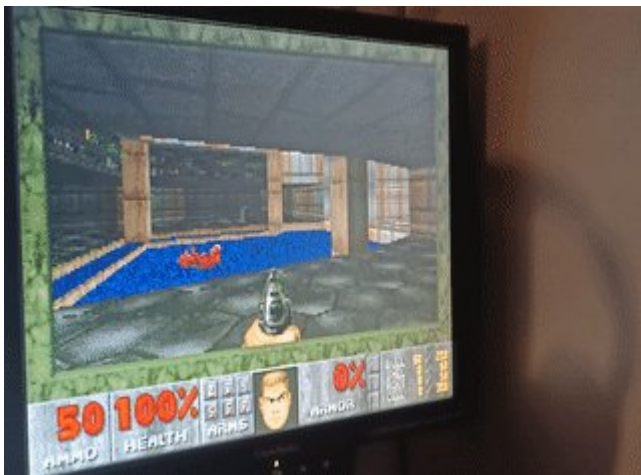Finished rebuilding executable. Insert Disk 1 again.
Press Enter to decompress.

% copied of disk 2
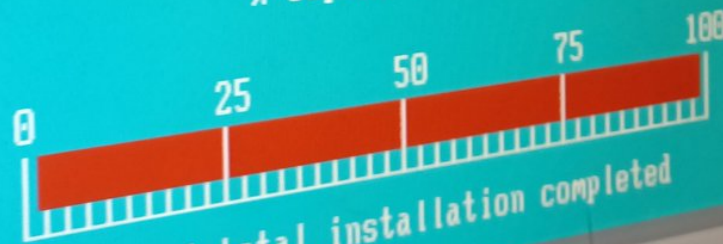
% of total installation completed

Esc to exit

this is not how Doom is supposed to run, man.
isn't this shit a 486? yeah, it's a 66mhz 486.
the fuck?

so why is it benchmarking like a fucking tandy 1000? an 16mhz 8086!

SCORE: 27   MemTest: MemEA: The current system...

MemTest: 506 µsec   MemEA: 369 µsec   Opcodes: 283 µsec   VidMem: 398 µsec   3DGames: 278 µsec   Total: 1834 µsec

...most closely matches the following entry in the database:

IBM PS/2 Model 80
Tandy 1000 SL (FrankenTandy)
AT&T 6312 WGS

===== Matched system detail: =====

SCORE: 26   MemTest: 600 µsec   MemEA: 384 µsec   Opcodes: 310 µsec   VidMem: 414 µsec   3DGames: 300 µsec   Total: 2008 µsec

CPU: NEC V30HL @ 16.6 MHz
Video Adapter: CGA (Tandy 1000 SL/TL)
Submitter: CarlosTex [@Vogons] [@VCFed];This file contains fingerprinting info
BIOS Info:
Tandy BIOS 1.04

Description:
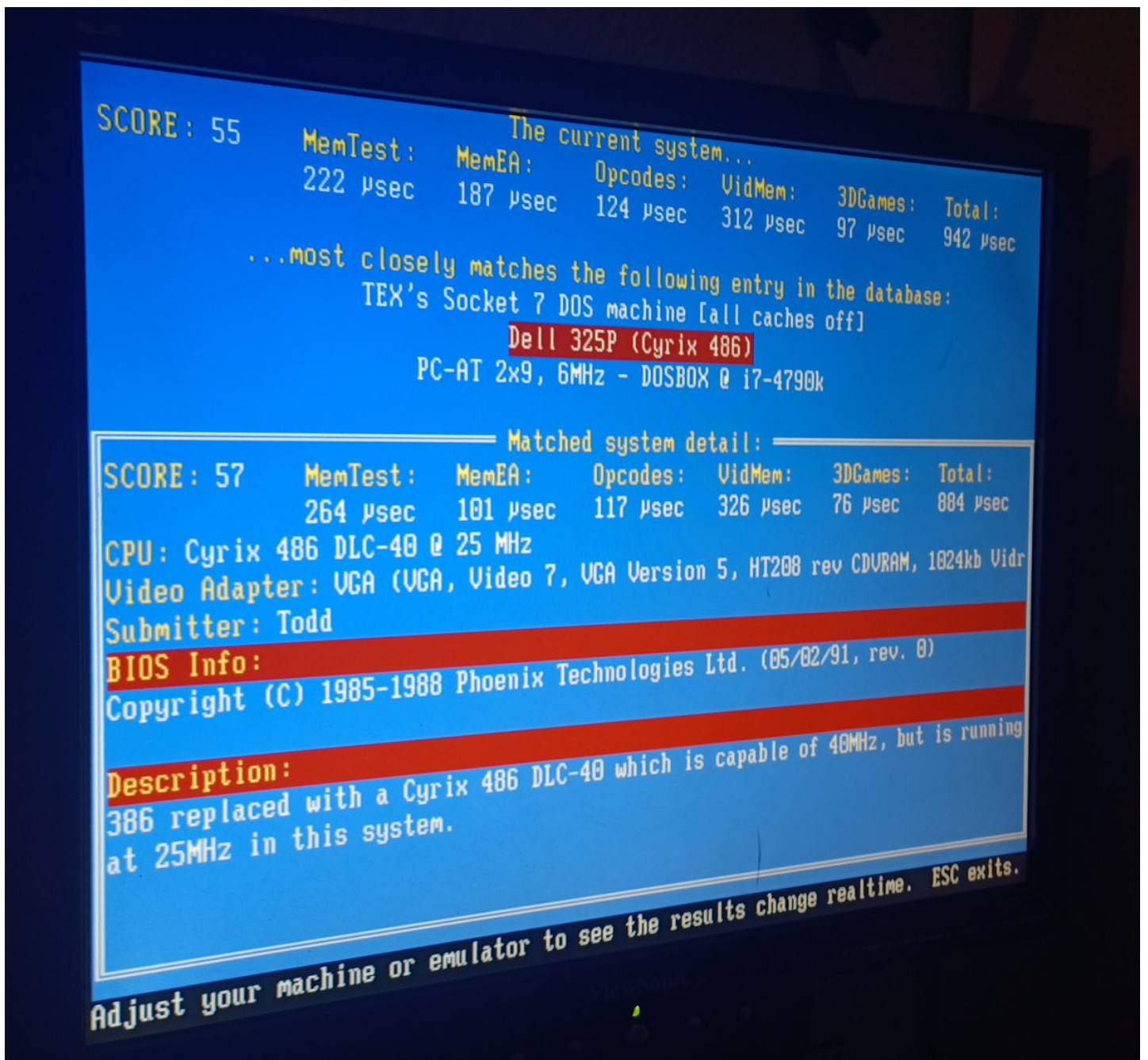Tandy 1000 SL modded with a 50MHz OSCI

Adjust your machine or emulator to see the results change realtime. ESC exits.

OK I fixed some bios settings and it's now as fast as a 25 mhz.
huh.
This cyrix really sucks, eh?

SCORE: 55   MemTest: MemEA: The current system...
              222 µsec   187 µsec   Opcodes: VidMem: 3DGames: Total:
                                    124 µsec   312 µsec 97 µsec   942 µsec

...most closely matches the following entry in the database:
TEX's Socket 7 DOS machine [all caches off]
Dell 325P (Cyrix 486)
PC-AT 2x9, 6MHz - DOSBOX @ i7-4790k

================= Matched system detail: =================

SCORE: 57   MemTest: MemEA: Opcodes: VidMem: 3DGames: Total:
              264 µsec   101 µsec   117 µsec   326 µsec 76 µsec   884 µsec

CPU: Cyrix 486 DLC-40 @ 25 MHz
Video Adapter: VGA (VGA, Video 7, VGA Version 5, HT208 rev CDVRAM, 1024kb Vidr
Submitter: Todd
BIOS Info:
Copyright (C) 1985-1988 Phoenix Technologies Ltd. (05/02/91, rev. 0)

Description:
386 replaced with a Cyrix 486 DLC-40 which is capable of 40MHz, but is running
at 25MHz in this system.

Adjust your machine or emulator to see the results change realtime. ESC exits.
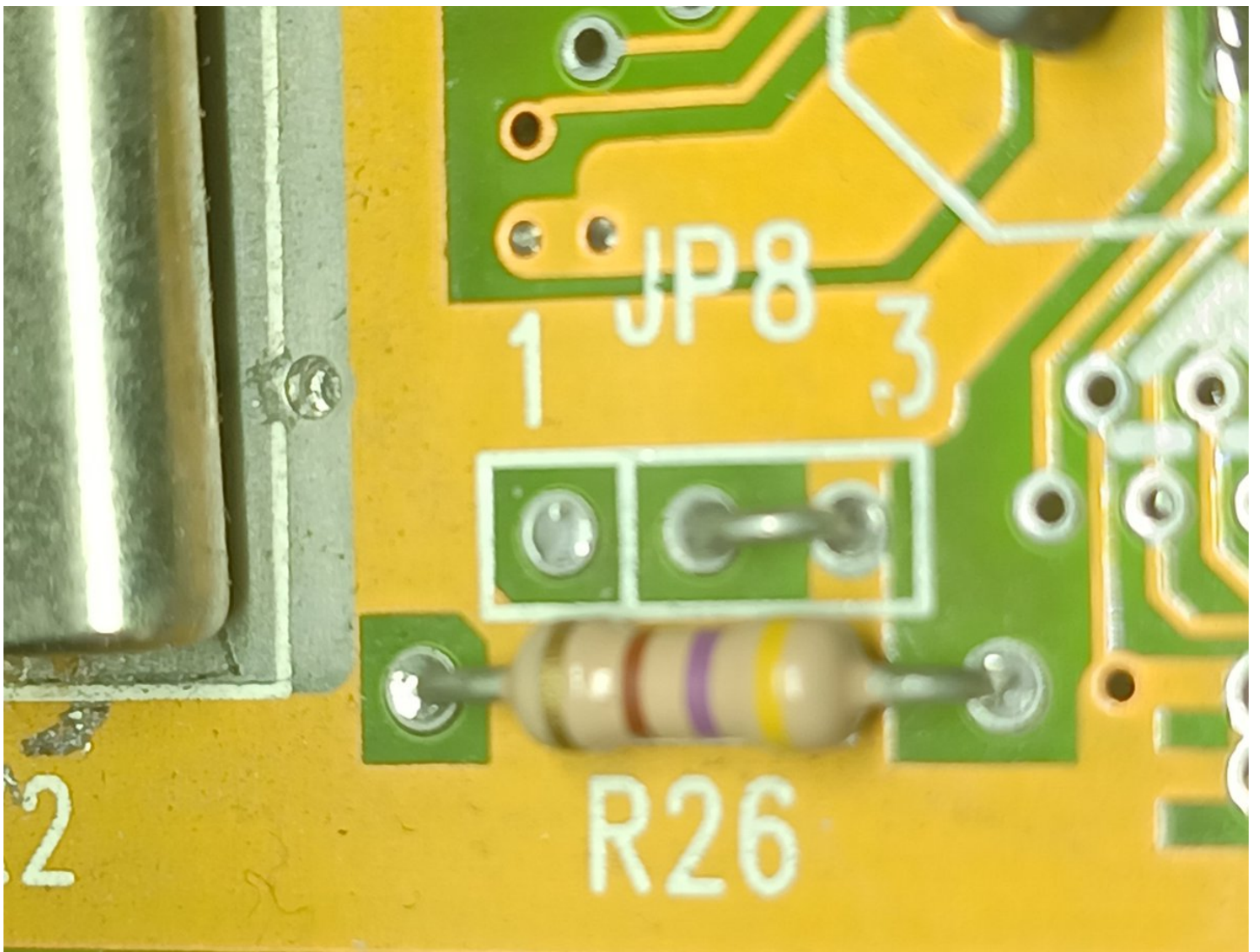
better? crappy, but better.

ok the chip is a Cx486SLC2.
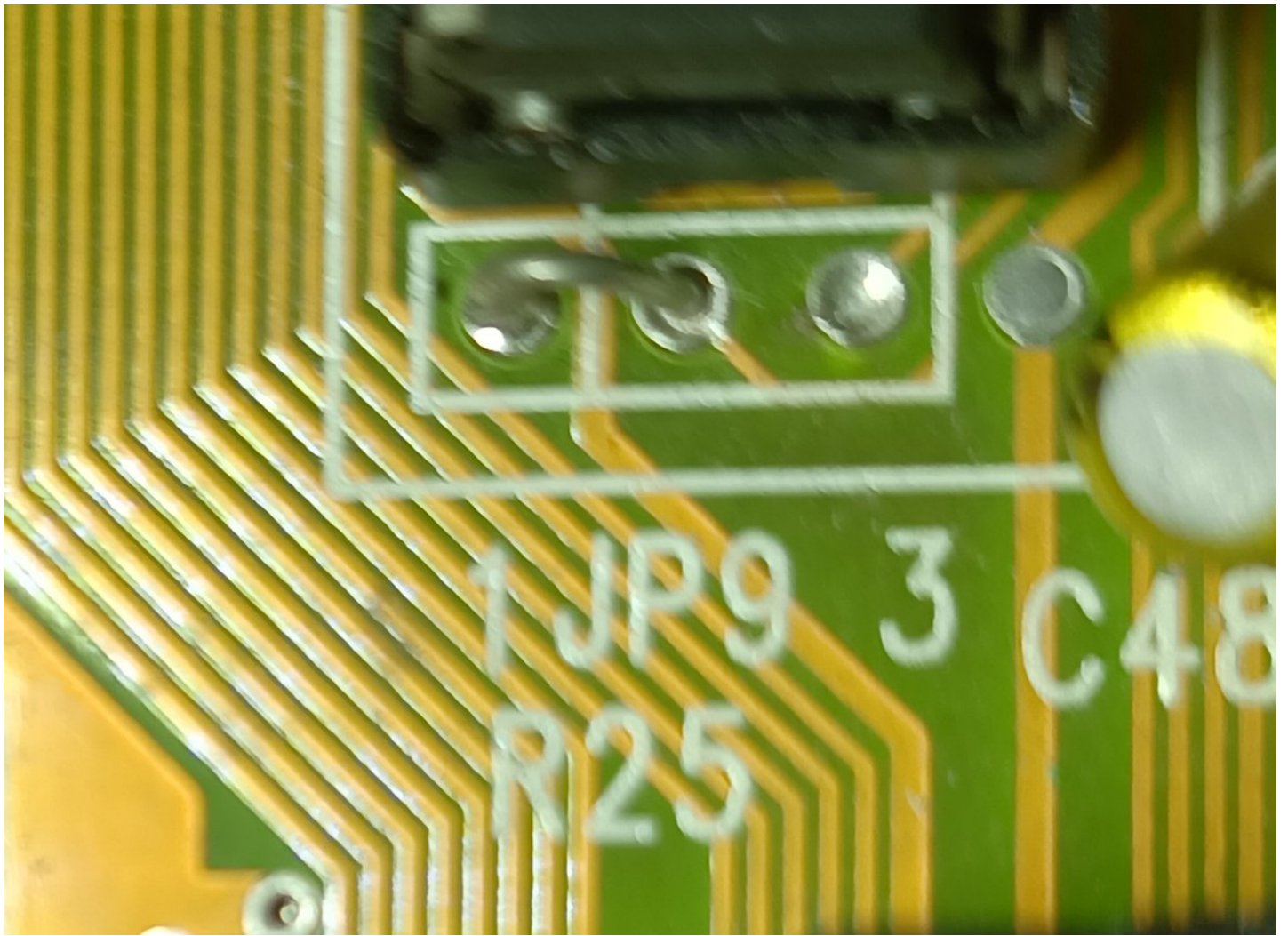That's really a 386... but it should be running at 50mhz. it definitely isn't.

So I can adjust the CPU speed by changing jumper 8... which isn't there. They hardwired it.
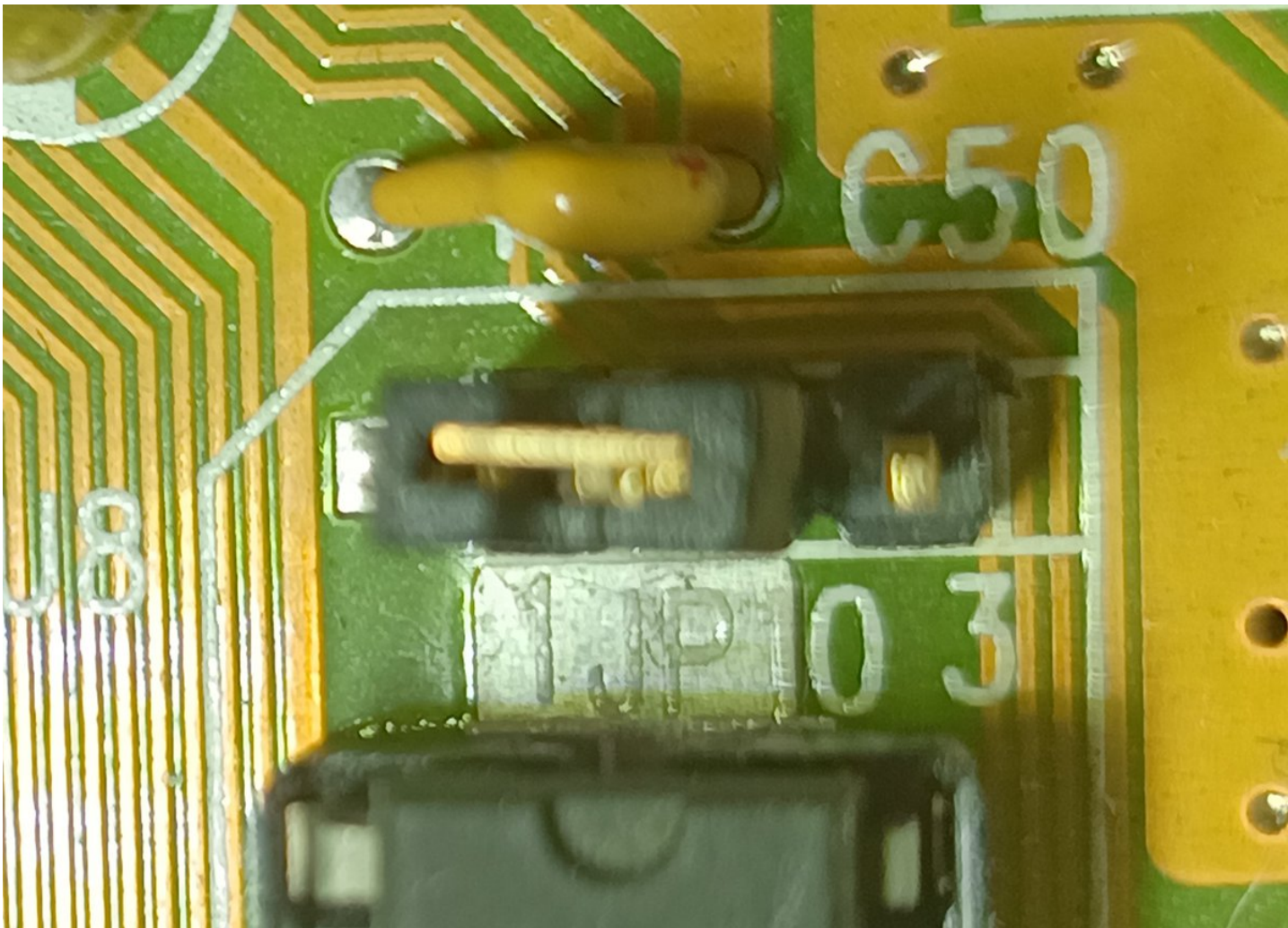
And JP9, which is also hardwired
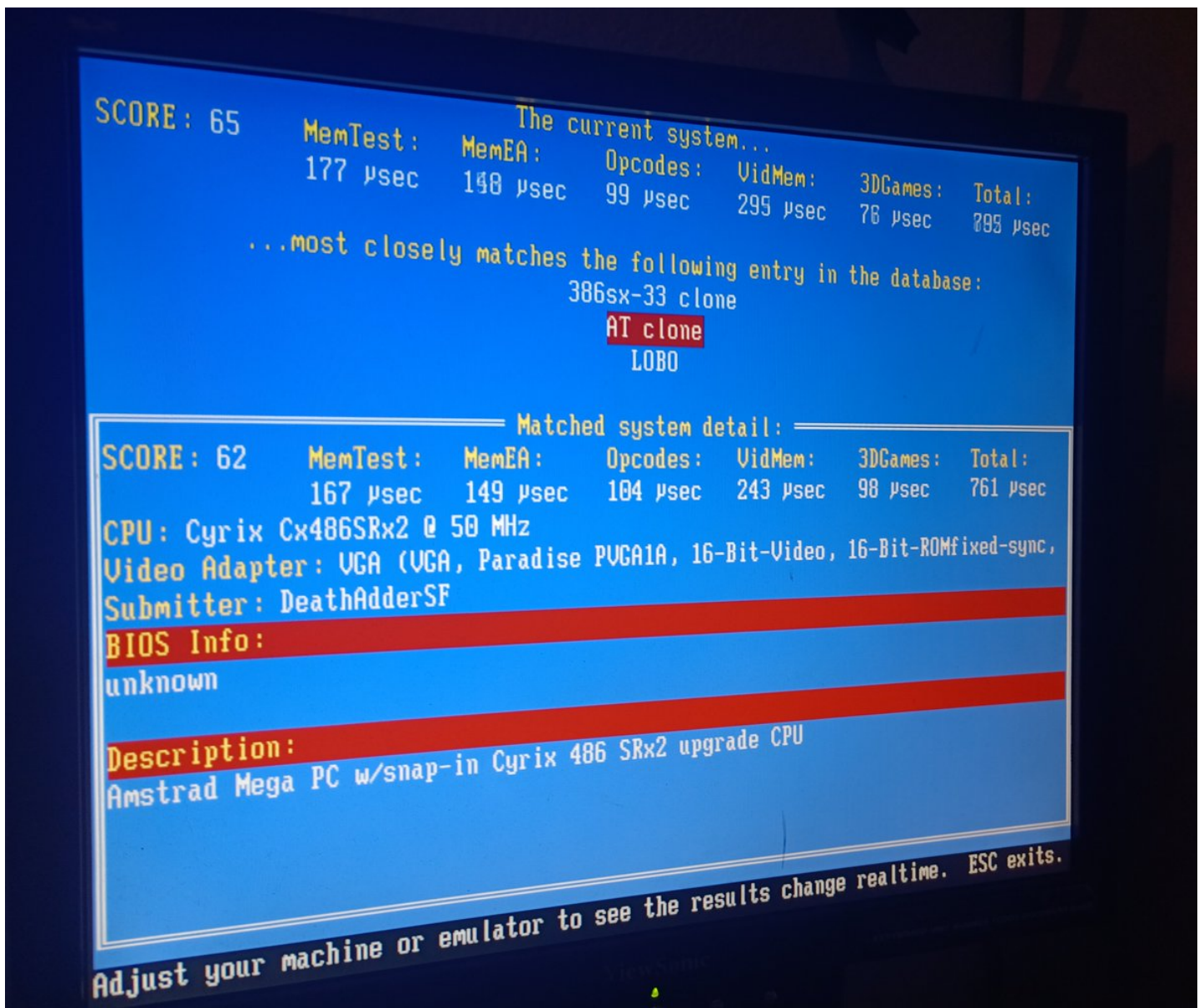
JP10 isn't hardwired, thankfully.

so that means I can do 16mhz or 25 mhz.

and it's currently on 16mhz.

well, let's try 25mhz!

Clock	JP8	JP9	JP10
16MHz	pins 2 & 3 closed	pins 1 & 2 closed	pins 1 & 2 closed
20MHz	pins 2 & 3 closed	N/A	N/A
25MHZ	pins 2 & 3 closed	pins 1 & 2 closed	pins 2 & 3 closed
33MHz	pins 2 & 3 closed	pins 2 & 3 closed	pins 1 & 2 closed
40MHz	pins 1 & 2 closed	pins 2 & 3 closed	pins 2 & 3 closed

Better!

SCORE: 65   The current system...
          MemTest: MemEA: Opcodes: VidMem: 3DGames: Total:
          177 µsec   148 µsec 99 µsec   295 µsec 76 µsec   885 µsec

          ...most closely matches the following entry in the database:
                              386sx-33 clone
                              AT clone
                              LOBO

================= Matched system detail: =================
SCORE: 62   MemTest: MemEA: Opcodes: VidMem: 3DGames: Total:
          167 µsec   149 µsec 104 µsec   243 µsec 98 µsec   761 µsec
CPU: Cyrix Cx486SRx2 @ 50 MHz
Video Adapter: VGA (VGA, Paradise PVGA1A, 16-Bit-Video, 16-Bit-ROMfixed-sync,
Submitter: DeathAdderSF
BIOS Info:
unknown

Description:
Amstrad Mega PC w/snap-in Cyrix 486 SRx2 upgrade CPU

Adjust your machine or emulator to see the results change realtime. ESC exits.

still not great, but it feels a little better.

I wonder if I could overclock this stupid 386. I could desolder that hardwired jumper and replace it with a real jumper...

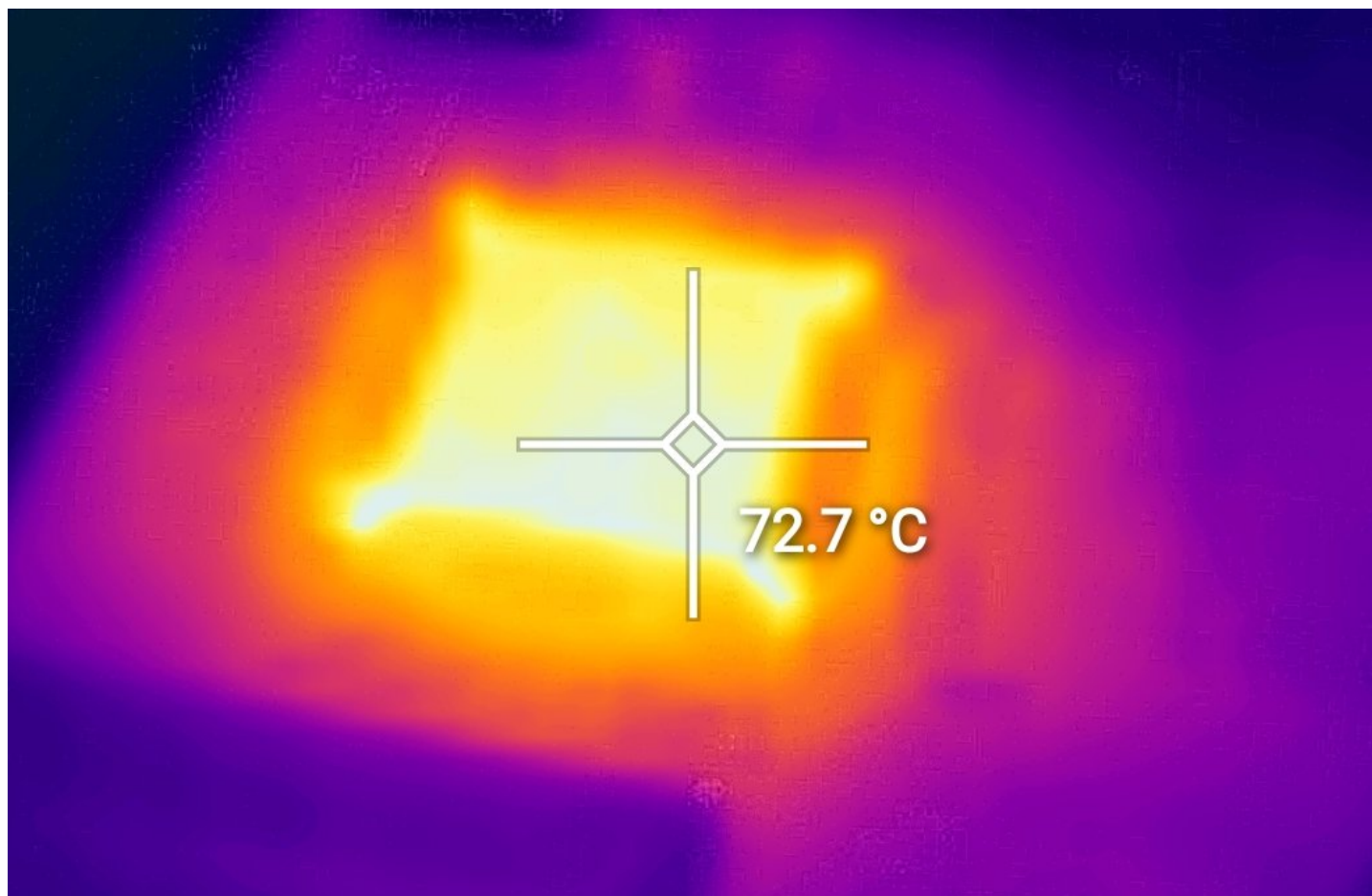this board is never gonna be fast, though.
it's got a 486-labeled 386 soldered to the board, and zero cache.

very very limited entry-level board, this.

ok maybe overclocking the 386 is a bad idea.
(I haven't done it yet, this is just how hot it gets at 25mhz)

It may also be the VGA card I'm using. It's an ATI mach32, which is designed for accelerated windows 3.1 use, it might be slow at mode X stuff

or mode Y. I forget which one Doom uses. I think it's Y