Taperipper or, Oops! All SCS!!

Aki-nyan

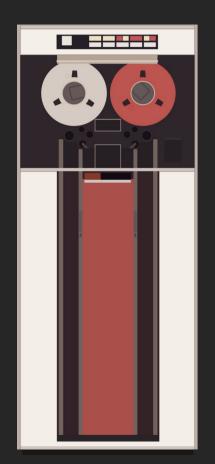


In the beginning

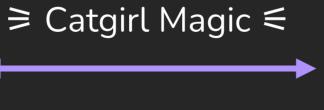
.oO(I wannya play with 9-track tape)



The Idea









(c) AMD



The IBM 9348-002

From the mid 90's

Used with AS/400's

Cute

Talks SCSI-1 HVD



What is SCSI

Stands for Small Computer System Interface

Popular in high-end and enterprise things

Has many flavors

HVD – High Voltage Differential

LVD – Low Voltage Differential

SE – Single Ended

+ Speed grades! (FAST10 et. al.)



CC-BY-SA Dave Fischer

Where Is SCSI

Everywhere!

SAS Drives

FiberChannel

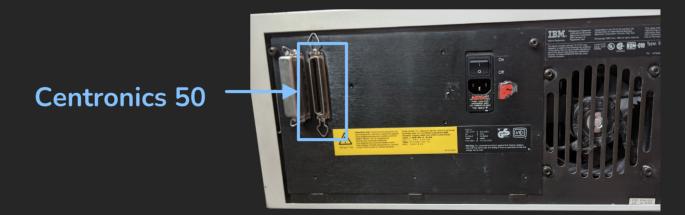
USB Mass Storage



Sleuthing for SCSI

Drive talks SCSI-1 HVD

No information easily accessible on SCSI-1



T10 – SCSI Technical Committee

If it boops SCSI, T10 is behind it.

Need to be a member to access final standards.

Only has a draft of X3.131:1986 (SCSI-1)

Used to be X3T9.2

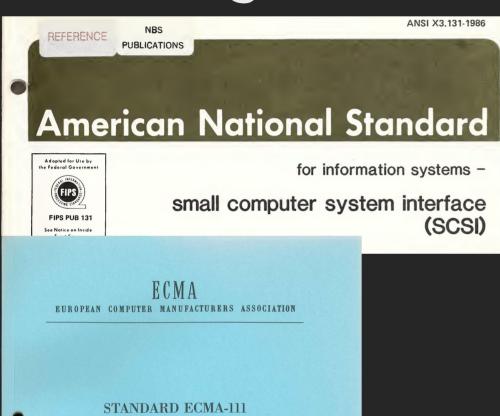


INCITS

One of the many standards orgs
T10's parent org
Very helpful staff~



One GoogleTM dork later



SMALL COMPUTER SYSTEM INTERFACE SCSI FIPS 131 & ECMA 111

Not technically the same!

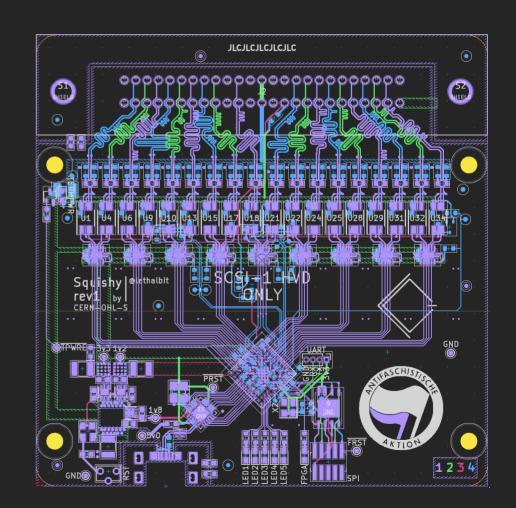


Introducing - Squishy

Dedicated SCSI-1 HVD to USB Hardware

100% OSHW & OSS

800+ hours of catgirl engineering and counting!



Squishy – The Challenge

Full SCSI-1 HVD Support

No existing SCSI-1 HVD interface hardware

Only device to test it on is irreplaceable.



Squishy – The Result



Suddenly Scope Creep



Squishy – Now it's a Toolkit

The SCSI Multitool

Support all SCSI Flavors, soon™

Hardware, Gateware, and Software library.



Who's that Fox?



Sachi!



The project's mascot!

Design and Illustration by Tyson Tan



Now there are two of them

It's PERTEC tho, not SCSI, so that's a story for another





Oops, I'm a SCSI Witch Now

Thanks!!

Thank you to !!Con and all involved!~

The helpful INCITS employee

Squishy: lethalbit/squishy



Twitter / GitHub

@lethalbit @chaos.social

Mastodon