Twitter Thread by foone

foone
@Foone

Keybort

This one is a MicroWeb Touch-1 XT/AT. Kinda.

See if you look up that keyboard you find the Deskthority page on it, showing this.
It's clearly pretty similar, but there are some differences.

Also that one uses a PC/XT/AT DIN5 connector, and this one uses some kind of RJ connector.

This one isn't in the greatest of shape, but considering I got it from the Chuck Colby estate sale, it's surprising it isn't completely water-damaged.

It's got some minor rust damage inside, where the metal clips rubbed off on the PCB.

And the control chip is a C35331E.
It's one of those chips you can find a few places that'll sell you one, but nowhere has a datasheet.
"8647" is probably a date code? 47th week of 1986.

That matches the chip on Deskthority.

And all keycaps removed! These are "Futaba MA series" (aka Futaba clicky switch) switches.

It's got 5 pins connected. AT is only 4 pins, but the PC/XT keyboard is 5 pins. So maybe this is a switchable keyboard?

the Deskthority wiki seems to partially agree with that:
There's a jumper under the tab key, which is theorized to be a XT/AT switch.

SO, what the heck is the pinout? I have no idea what the pinout of the IC is, and nothing to connect this to to spy on it, and no results online for googling the name other than the one that's shown up on deskthority.

Well, the PCB has two other chips on it.
They're both 74-series logic.
We can easily find datasheets for those and they should be sharing power/ground.

green is +5V
and either blue or yellow is GND.
(they both seem to be ground, at least as close as my multimeter can tell.