Tinkerkit appears to be defunct, So you can find some of their stuff pretty cheap. Libraries are still on github.

<https://github.com/TinkerKit>

So it appears these boards are much more then just LCDs - they have a 16x2 LCD of course, the firmware loaded on them let you use them as a serial LCD needing RX and TX hooked up to your micro-controller. But it turns out these have a Leonardo (like) controller on them, and are programmable via the Arduino IDE using the Leonardo setting.

I found some information on G+(I shared the link to the G+ community) that says the tinkerkit LCD is an Arduino Leonardo with a LCD screen, and has some information about the I/O on the board.

<https://plus.google.com/u/0/+DanMoses/posts/DWmT99jqbMq>

These boards can be found on eBay (From US sellers) for between $5.95 and $8 some offer free shipping, some don’t

And there are sellers wanting a lot more for these as well. Dan Moses says he finds them on Amazon for $8 bucks all the time (I haven’t looked, but seems right)

So here is his blog that tells all about these:

<http://danduino.blogspot.com/2015/03/the-tinkerkit-lcd.html>

He says he had a hard time finding the libraries, but a quick search of github and I found them no problem.

<https://github.com/TinkerKit>

Dan Moses Codebender (Which he points too as the place to find the libraries) is:

<https://codebender.cc/user/danmoses04>

I was only able to get these to program using Windows, and I selected “Leonardo” from the board list in the Arduino IDE. Dan says they are very picky about the USB cable, but I tried 15 or so on Linux, with no luck, same cables worked fine with Windows. I don’t know.

Apr 23, 2017

Flashing TKLCD with Leonardo bootloader (My video)

<https://youtu.be/T492ZG26dhg>

I’ve been able to get the TWI firmware to work without problems, but I was having issues with getting the provide (TKLCD library) serial firmware to work. I finally found a UNO based serial LCD made by Sparkfun - and modified the code to work with the TKLCD.

<https://github.com/kd8bxp/modified-Sparkfun-serial-LCD-For-TKLCD>

Sparkfun’s Serial Enabled LCD (16x2)

<https://www.sparkfun.com/products/10097>

Build Tutorial:

<https://www.sparkfun.com/tutorials/289>

Sparkfuns Serial LCD Kit Github

<https://github.com/sparkfun/Serial-LCD-Kit>

While searching for an answer to the problem I came across this site that has some tutorials on the TKLCD

<http://www.carobot.cc/how-to/tinkerkit-tutorials/tinkerkit-tutorial-lcd-03-lcd-serial/>

(Doesn’t really help, and still didn’t solve the problem I was having)

<http://www.carobot.cc/how-to/tinkerkit-tutorials/>