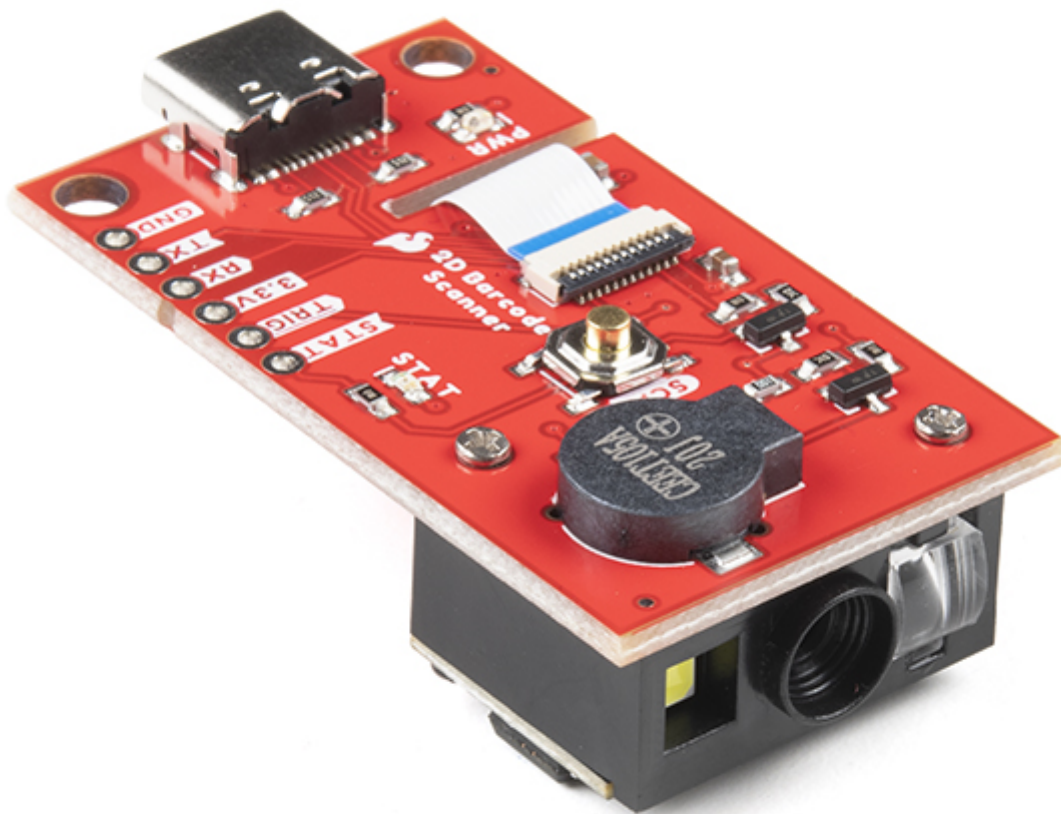


SparkFun 2D Barcode Scanner Breakout



The SparkFun 2D Barcode Scanner Breakout is a nifty little breakout board featuring the DE2120 barcode scanner module from DYScan. The DE2120 reads 20 different barcode symbologies (both 1D and 2D) using a camera coupled with on-board image processing to identify and decode everything from UPC codes to QR codes. The module also features two LEDs: one for illumination and one to project the red line that you're used to seeing from laser-based scanners.

This breakout board makes it easy to explore all of the capabilities of the DE2120 without dealing with finicky flat flex cables. The scanner's USB interface is exposed via the on-board USB-C connector. A buzzer and status LED are connected to the module through appropriate drive circuits and a push button tactile switch is provided on the

"trigger" pin. When you're ready to incorporate the module into your embedded project, you can leverage the 5 pin header for direct access to the TTL serial pins, power pins, and trigger input.

The module can be configured either by using the serial interface or by scanning command barcodes found in the [Settings Manual](#).

All keyboard, HID, and serial can be transmitted over the single USB-C connector. The DE2120 has the unique ability to enumerate all three protocols including a CDC serial driver so the device appears as a standard COM port.