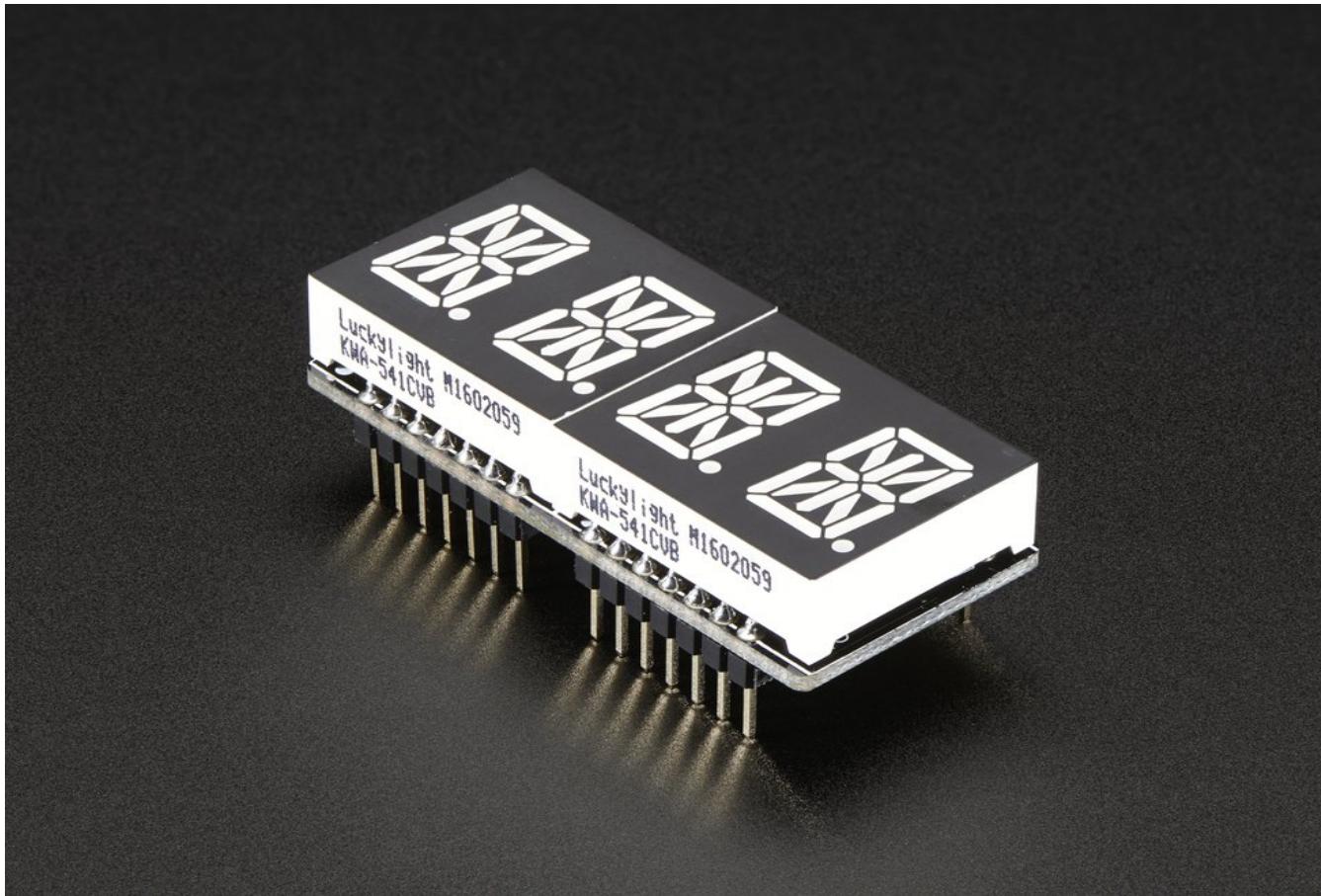




Adafruit 0.54" Quad Alphanumeric FeatherWing Display – Red



PRODUCT ID: 3130

Description

Display, elegantly, 012345678 or 9! Gaze, hypnotized, at ABCDEFGHIJKLM – well it can display the whole alphabet. You get the point.

This is the **Red Adafruit 0.54" Dual Alphanumeric Display w/ FeatherWing Combo Pack!** We also have these combo packs in [Green](#), [White](#), [Yellow-Green](#), [Blue](#), and [Yellow](#).

This is a nice, bright alphanumeric display that shows letters and numbers in a beautiful hue. It's super bright and designed for viewing from distances up to 23 feet (7 meters) away. Each of the digit sets have 14 segments on a dark background and we give you a set of two alphanumeric displays as well as a Featherwing driver board so you can make a clock or a four letter word.

Works with any and all Feathers!

14-Segment Matrices like these are 'multiplexed' - so to control all the fourteen-segment LEDs you need 18 pins. That's a lot of pins, and there are driver chips like the MAX7219 that can control a matrix for you but there's a lot of wiring to set up and they take up a ton of space. Wouldn't it be awesome if you could control a matrix without tons of wiring? That's where these Alphanumeric LED Matrix FeatherWings come in, they make it really easy to add a 4-digit alphanumeric display with decimal points.

The LEDs themselves do not connect to the Feather. Instead, a matrix driver chip (HT16K33) does the multiplexing for you. The Feather simply sends I²C commands to the chip to tell it what LEDs to light up and it is handled for you. This takes a lot of the work and pin-requirements off the Feather. Since it uses only I²C for control, it works with any Feather and can share the I²C pins for other sensors or displays

The product kit comes with:

[A fully tested and assembled Adafruit 4-Digit 14-Segment Alphanumeric Display FeatherWing 0.54" Ultra-bright dual alphanumeric red display - 2 pack](#)

Two 16-pin headers

Of course, in classic Adafruit fashion, we also have a detailed tutorial showing you how to solder, wire and control the display. We even wrote a very nice library for the backpacks so you can get running in under half an hour, displaying images on the matrix or numbers on the 14-segment. If you've been eyeing matrix displays but hesitated because of the complexity, this is the solution you've been looking for!

Technical Details

The board/chip uses 12C 7-bit address between 0x70–0x77, selectable with jumpers

FeatherWing Dimensions: 51mm x 23mm x 4.2mm / 2.0" x 0.9" x 0.165"

Backpack Weight: 4.6g

Dual Alphanumeric Display Dimensions: 21mm x 25mm x 7mm / 0.8" x 1" x 0.3"

Dual Alphanumeric Display Height w/ Pins: 14mm / 0.6"

Dual Alphanumeric Display Weight: 4.7g

The Dual Alphanumeric Display is a Common Cathode LED display

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