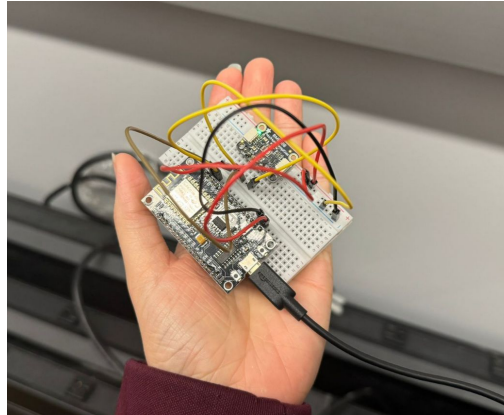
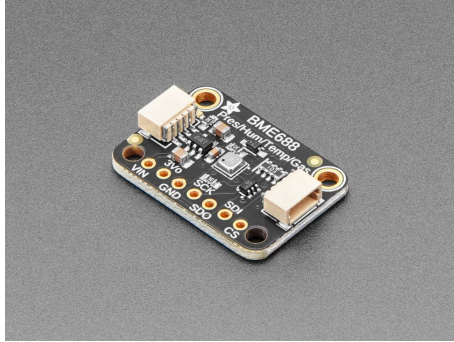




Environmental device



Components



BME688

- Environmental sensor that captures
 - Humidity
 - Temperature
 - Pressure
 - CO2
- Cost: \$19.95



ESP8266

- TCP/IP microcontroller
- Ability to communicate with wireless networks and send data
- Cost: \$7.99



Registering wireless devices

All TCP/IP devices need to be registered with the university through my device portal through their MAC address.

This allows access to UAGuest with no password

My Devices Portal

My Devices Portal

Eligibility: [Student](#) [Staff](#) [Faculty](#)

Service Offering:
Gaming devices, Smart TVs, and other internet capable devices that cannot perform the normal authentication process may be registered to the unencrypted UAGuest wireless network via the MyDevices Portal. UA faculty, staff and students may register up to five (5) personal devices. MyDevice network access will be valid for one semester (180 days).
For students living in residence halls, wired MAC addresses of devices that don't support the campus authentication process (802.1X) can also be registered through the MyDevices Portal by selecting the UAWired radio button. This will allow devices to connect to Ethernet jacks in the dorm rooms to get network connectivity.

Request the Service:
Go to mydevices.arizona.edu and sign on with your UA NetID credentials. For any questions or issues with the portal, click on the UA My Devices Inquiry button.

Service Charges

[UA MyDevices Registration](#)

[UA MyDevices Inquiry](#)

Related Articles

[Find a Device MAC Address](#)
483 Views • ☆☆☆☆☆

Related Services

[UAGuest](#)
UAGuest is a wireless network available to visitors of the University of Arizona.

General IT Support:
Contact the 24/7 Support Center
[520-626-TECH \(8324\)](#)
[Live Chat 24/7 Support Help](#)
[Get Support](#)

THE UNIVERSITY OF ARIZONA

MyDevices Portal

Welcome, Romi Gilat

Manage Devices (1/5)

<p>Arduino environmental device</p> <p>arduino env device for LASSO</p> <p>Expires in 6 months on December 28, 2024</p>	5C:CF:7F:78:1C:5
--	------------------

Need to add a device? Select **Add Device**. Select your device from the list to manage it. Devices must be reactivated every 180 days. You may activate up to 5 devices.

[Add Device](#)

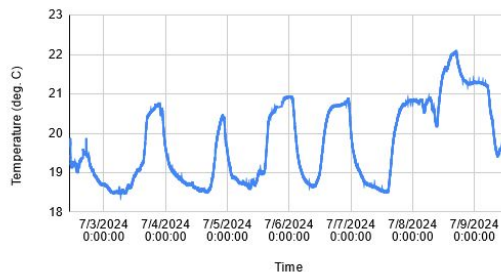
For Tech Support Chat with a [24/7 IT Support Representative](#), or call (520) 626-TECH (8324) or (877) 522-7929.

*This connection needs to be redone every 6 months



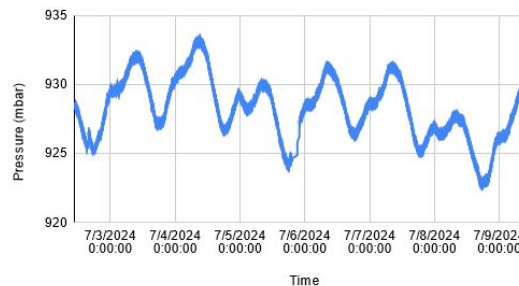
Measurements

Temperature Measurements,



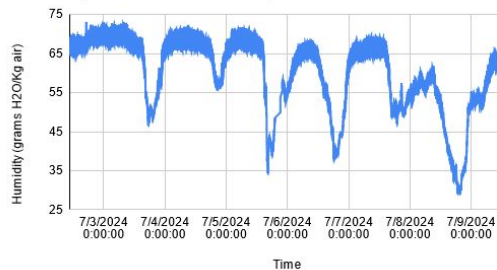
Max: 22.09
 Min: 18.45833333

Pressure Measurements,



Max: 933.28
 Min: 922.6983333

Humidity Measurements,



Max: 73.17166667
 Min: 29.155



Data storage

environmental device

File Edit View Insert Format Data Tools Extensions Help

100%

123

Default...

10

B I A

	A	B	C	D	E	F	G
1	date	time (don't use)	temperature	humidity	pressure		
2	7/2/2024 10:31:25	0.3125					
3	7/2/2024 10:57:40	0.5739	19.12	67.5	928.6		
4	7/2/2024 10:57:49	0.5748	19.72	67.48	928.66		
5	7/2/2024 10:57:57	0.5757	19.74	67.33	928.67		
6	7/2/2024 10:58:06	0.5805	19.75	67.09	928.67		
7	7/2/2024 10:58:14	0.5813	19.77	66.98	928.67		
8	7/2/2024 10:58:22	0.5822	19.77	66.67	928.64		
9	7/2/2024 10:58:32	0.5831	19.78	66.17	928.6		
10	7/2/2024 10:58:41	0.5840	19.77	65.96	928.62		
11	7/2/2024 10:58:50	0.5850	19.77	65.38	928.69		
12	7/2/2024 10:58:59	0.5858	19.76	65.07	928.71		
13	7/2/2024 10:59:07	0.5906	19.76	65.02	928.7		
14	7/2/2024 10:59:15	0.5914	19.76	64.72	928.69		
15	7/2/2024 10:59:23	0.5923	19.77	64.6	928.69		
16	7/2/2024 10:59:32	0.5931	19.77	64.52	928.7		
17	7/2/2024 10:59:56	0.5956	19.28	66.23	928.6		
18	7/2/2024 11:00:04	1.0004	19.91	65.24	928.66		
19	7/2/2024 11:00:13	1.0012	19.93	64.65	928.63		
20	7/2/2024 11:00:21	1.0020	19.91	64.56	928.63		
21	7/2/2024 11:00:30	1.0029	19.88	64.78	928.63		
22	7/2/2024 11:00:38	1.0037	19.86	65.08	928.66		
23	7/2/2024 11:00:46	1.0045	19.83	65.42	928.63		
24	7/2/2024 11:00:54	1.0054	19.81	65.82	928.62		
25	7/2/2024 11:01:02	1.0102	19.79	66.08	928.61		
26	7/2/2024 11:01:10	1.0110	19.78	66.33	928.61		
27	7/2/2024 11:01:19	1.0118	19.77	66.41	928.62		
28	7/2/2024 11:01:27	1.0126	19.75	66.64	928.58		
29	7/2/2024 11:01:35	1.0135	19.74	66.96	928.52		
30	7/2/2024 11:01:43	1.0143	19.73	67.51	928.5		
31	7/2/2024 11:01:52	1.0151	19.72	67.83	928.52		
32	7/2/2024 11:02:00	1.0159	19.7	68.07	928.53		
33	7/2/2024 11:02:08	1.0207	19.69	68.19	928.5		
34	7/2/2024 11:02:16	1.0216	19.68	68.17	928.49		
35	7/2/2024 11:02:24	1.0224	19.66	68.19	928.48		
36	7/2/2024 11:02:32	1.0232	19.65	68.09	928.54		
37	7/2/2024 11:02:40	1.0240	19.63	67.84	928.53		
38	7/2/2024 11:02:48	1.0248	19.61	67.45	928.53		
39	7/2/2024 11:02:56	1.0256	19.6	67.19	928.5		
40	7/2/2024 11:03:04	1.0304	19.58	66.59	928.51		

One week of data collection: 2.3 MB of data

years worth of data: ~0.105 GB @ 5 second increments

It's currently connected to my arizona drive, someone will need to grab it