

Sparkfun has an all-in 1 board:

<https://www.mouser.com/new/sparkfun/sparkfun-environmental-sensor-breakout-bme688/>

Haven't taken a super close look at it, but temp, humidity, pressure

I2C output, 3V3 input

Still need wind sensor

Another AIO package:

<https://www.mouser.com/ProductDetail/DFRobot/SEN0500?qs=MyNHzdqoQlvWPiMH7b%252BXQ%3D%3D>

I2C and UART output

Otherwise, mouser has many sensor breakout boards for individual measurements

<https://www.mouser.com/c/embedded-solutions/engineering-tools/sensor-development-tools/>

Our choice as to which to use - Sparkfun's is compatible with BME AI-Studio and BSEC2 Arduino library

Temperature:

ADT7301 - sensor itself, available in MSOP and SOT-23, no DIP available - can we get our PCB vendor to apply for us?

Breakout board -

<https://www.mouser.com/ProductDetail/Mikroe/MIKROE-4879?qs=TCDPyi3sCW0yyyJxPIRICA%3D%3D>

Humidity

ICP-10111 - again just sensor, no DIP available

Breakout board -

<https://www.mouser.com/ProductDetail/Mikroe/MIKROE-4868?qs=sGAEpiMZZMsvmS05OVPORmOKRB4IWR68Bt7AzIfM2g%252BnFPCAaz3eEg%3D%3D>

Pressure:

LPS35HW - also again sensor itself

Breakout board

<https://www.mouser.com/ProductDetail/Mikroe/MIKROE-3603?qs=PzGy0jfpSMuH8iuAiGdy7A%3D%3D>

MikroeBUS breakout board system?