Specifications of distributed 3-axis sensors (specifications for 4 x 4 sensor module)

Sensors per module	16 sensors
Measuring axis	Each individual sensor measures 3-axis (x, y, z)
Signal output	Digital (I2C) Additional small sized microcontrollers can be daisy-chained (CAN)
Measurement frequency	Tested up to 250 Hz
Surface Property	Soft with gecko tape
Size	4.7 x 4.7 mm center to center distance, 5.5 mm thick
Hysteresis	4.6% (at midpoint after being pushed with 1800 gf)
SNR @ 50 Hz	72 dB at 1800 gf
Maximum shear force	430 gf
Maximum normal force	1800 gf
Resolution shear force @ 50 Hz	0.1 gf
Resolution normal force @ 50 Hz	1 gf
Drift compensation	Each 3-axis sensor includes a temperature sensor for drift compensation.
Picture	

Other configurations

4x6   **2x2**   **1x2**   **1x1**

10.5 x 10.5   6.0 x 10.5   5.5 x 6.4

31.0 x 51.5

5.5 mm

4.7 mm

4.7 mm

24 mm

28 mm
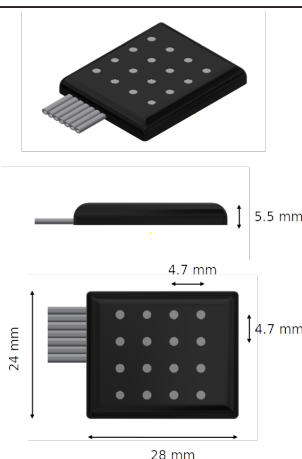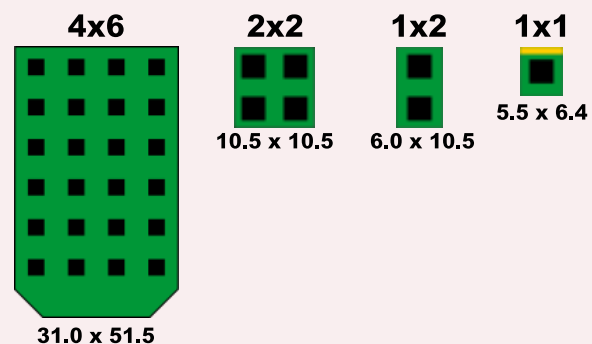
*All dimensions are in mm

The forces were measured when contacting simultaneously all 16 sensors.

Different sizes and shapes are available and customization is possible.
Different sensitivity/range can be implemented according to user specifications.