

Senceive FlatMesh uses a mesh-networked, intelligent sensor system consisting of a collection of small devices (FlatMesh nodes), equipped with sensing, communication and computation capabilities. Using Senceive's proprietary FlatMesh networking technology, the nodes work cooperatively to monitor environments, structures, plant and buildings.

The power of mesh networks is the ability to route data around obstacles or problems, so there is no single point of failure. Extra nodes may be added at any time when additional or unforeseen monitoring requirements are presented, without planning your network in detail. With FlatMesh, every sensor node provides the same communication capability.



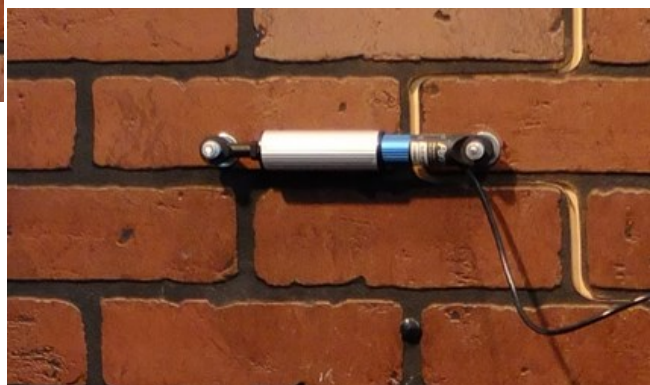
The FlatMesh node uses short-range radio in the 2.4 GHz ISM band, which is exempt from licensing. Many FlatMesh nodes can operate together – standard installations range from 10 to 40 devices,.

Distances of 80-100 m is the typical range between nodes in reasonable conditions in the field.



Biaxial Tilt Sensor

Range +/- 10 degrees
 Resolution +/- 0.0175 mm/m
 Accuracy +/- 0.053 mm/m
 Operating range - 40°C to + 60°C
 IP 68



Crack Sensor

Type: Linear potentiometer, external
 Range: 25/50/75/100/125/150/175/200 mm
 Resolution: 0.008% of range
 Linearity: better than ±% 0.25

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