



S02 - MICROPNP ACCELEROMETER

PRODUCT DESCRIPTION

The MicroPnP™ Accelerometer (**S02**) provides, in its default configuration, acceleration in three dimensions along with the detection of impact events, such as a finger tap. The accelerometer operates at extreme low power enabling multi-year battery lifetimes.

MICROPNP PERIPHERALS

MicroPnP Peripherals are self-identifying sensors and actuators that connect to MicroPnP Wireless Devices to provide plug-and-play sensing and control.

The MicroPnP software automatically installs and configures all drivers, eliminating the cost and complexity of deploying an IoT network.

Note: only one peripheral of this type may be connected to a MicroPnP Wireless Device.

APPLICATIONS

Monitor the orientation of machinery to which the accelerometer peripheral is attached, detect collisions and detect button taps for human input.

CORE COMPONENTS

The **S02** is based on the LSM6DS3 from STMicroelectronics™, for more information please visit:

[LSM6DS3.pdf](#)

S02 CHARACTERISTICS

Characteristic	Value	Unit
Ave. Current Consumption	60	μA
Linear Acceleration Min/Max	2	g
Linear Acceleration Accuracy	1	%
Min/Max period between updates	10 / 86400	s

RELATED PRODUCTS

Item **S02** requires a MicroPnP Wireless Device such as **Pxx** or **Lxx**. This item is compatible with all items in the MicroPnP catalog:

versasense.com/files/VersaSense-Catalog.pdf

INFORMATION/SUPPORT

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