

## Three-Axis accelerometer Touts Low Power, Desirable Functionality



STMicroelectronics has extended its motion-sensor portfolio with a three-axis digital-output accelerometer that combines reduced power consumption – more than 90 percent lower than available solutions on the market, according to the company – with miniature footprint and enhanced functionality. With operating current consumption as low as 2  $\mu$ A, the 3 mm x 3 mm x 1 mm accelerometer suitable for motion-sensing features and applications in space- and power-constrained consumer devices, such as mobile phones, remotes and game controllers. The sensor provides accurate output across full-scale ranges of  $\pm 2$  g/ $\pm 4$  g/ $\pm 8$  g/ $\pm 16$  g. The LIS3DH accelerometer contains a temperature sensor and three ADC channels for integration with companion chips, such as gyroscopes. It embeds click and double-click recognition, 4D/6D orientation detection, and the power-saving sleep-to-wake-up mode. In this mode, the device keeps the read chain active and wakes up when an event occurs, automatically increasing the output data rate.

### STMicroelectronics

781-861-2650, [www.st.com](http://www.st.com) [1]

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[1] <http://www.st.com>