

Sensor Hub



Integrated Sensor Hub Functionality

maXFusion™ technology combines data from multiple sensors—accelerometer, gyroscope and magnetometer—to deliver accurate, real-time, motion-related information. The technology is available in the mXF0100, a low-power, standalone device for products that require motion detection for applications such as gaming, mapping and navigation. In addition, maXFusion technology is also integrated into some of the newest maXTouch® S Series touchscreen controllers.

Key Features

- **Visibly improved performance** — Delivers 3X improvement in accuracy compared to managing sensors from the applications processor, resulting in a noticeable improvement in gaming, navigation and virtual reality applications.
- **Low power** — Reduces power by up to 50 percent compared to competitive solutions.

Sensor Hub Devices

Device Family	Summary Benefit	Applications	Technologies	Key Parameters
<u>Controllers without Firmware</u>	Ultra-low power Accurate, real-time motion-related information Optimized user experience	Gaming Mapping Navigation Virtual reality	AVR® UC3L MCUs picoPower® SleepWalking FlashVault DMA Event system Self-programming	16-512KB Flash 48-144 pins Up to 66MHz 1.5MIPS/MHz
<u>Controllers with Firmware</u>	Accurate, real-time motion-related information Touch functionality option Low power Optimized user experience	Gaming Mapping Navigation Virtual reality	maXFusion technology maXTouch S touchscreen controllers	50% lower power 3X enhanced performance High accuracy

FOR OTHER INFORMATION:

Telephone: +65 6515 2988
Fax: +65 6515 4515

Email: //info@mccoy.com.sg
www.mccoycomponents.com