



SwiftMote Sensor Platform

Customizable IoT Design and Prototyping

The *SwiftMote* Sensor Platform is a Bluetooth wireless sensor mote. *SwiftMote* is an open platform designed to be a proving ground for your novel sensors and packaging research to showcase to investors. Jump-start your research by using *SwiftMote* out of the box or customize to suit your R&D needs. *SwiftMote* includes everything needed to sense the environment, store the data, and forward the information to a phone using Bluetooth.

What You Get

- Open design flow including KiCad Project file schematics, layout, Bill of Materials
- User customizable design files or modify the design with CMC
- Documented hardware and software on Github
- This system comes with a low-power TI CC2640 processor, Bluetooth, 128kB of Flash memory, light and temperature sensors, an accelerometer, and a cellphone application to receive and display the data.

Applications

- Sensor-network research and development
- A path to smaller interposer form factors
- Custom low power sensing
- Data gathering for A.I. system, sensor fusion.

Get It now on our Github at: https://github.com/cmcmicrosystems/iot_platform

Contact CMC for help Integrating your Ideas into the design

Related Offerings

Pulpassimo for ZCU102 – an open-source single-core RISC-V SoC platform that runs on Xilinx ZCU102 evaluation board

Silicon Interposer and the **ESP open-gate**

JFETplatform

Need Help?

For assistance or to recommend platform enhancements contact:

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About CMC


Enabling innovation across Canada's National Design Network

CMC Microsystems delivers a nationwide, shared platform of tools and services to Canada's micro-nano innovators, helping to create the economy of the future.


25 multi-project wafer services available through nine foundries worldwide, offering industrial-scale manufacturing

40 university-based micro-nanotechnology (MNT) fabrication labs across Canada, helping researchers customize their designs

80 pieces of test equipment for loan in lab

 **560** CAD tools and modules

 **600** development systems

 **450** design flows, user guides and application notes



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