The eMote .NOW

The Samraksh Company

समरक्ष

Ubiquitous Actualization
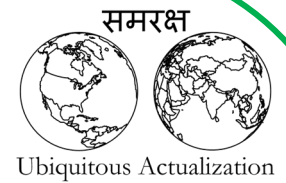
The Micro Framework:

with wireless, real-time controller, and advanced power management.
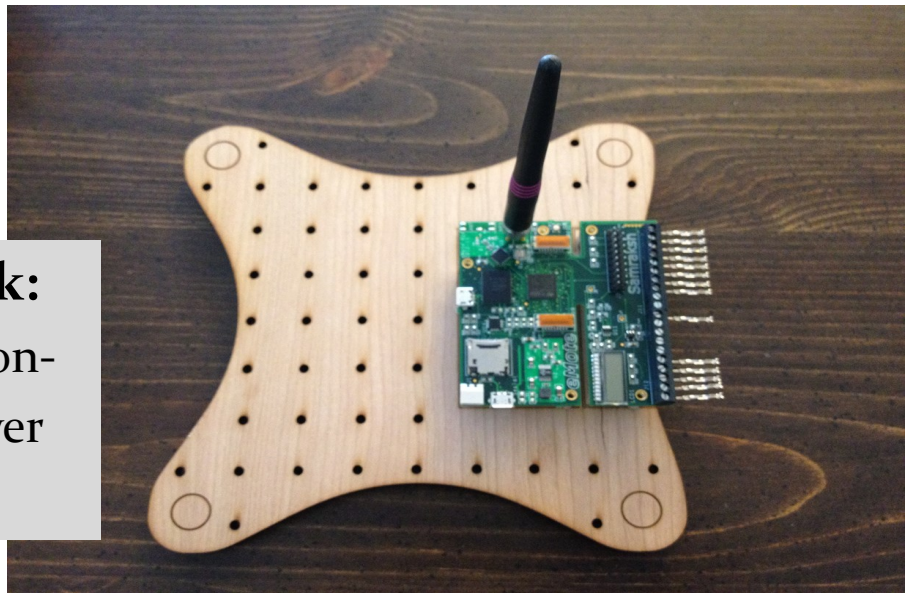
The eMote is:

1. An extended version of MF
2. Provides µC features
3. The easy to use MF.

Key Features:

- Real-time extensions.
  - *i.e., 10 µs precision.*
- Low duty cycle wireless.
  - *i.e., receiver almost always off.*
- Low duty cycle operations.
  - *e.g., less than 1%.*
  - *e.g., Wake and sleep in less than 100 µs*

The .NOW is:

A platform for eMote, deigned for projects and experiments.

Includes:

- IEEE 802.15.4 radio.
- On-board or external antenna.
- 2 buffered ADCs, plus 5 buffered.
- 1 DAC.
- 13 GPIO, 1 SPI, and 1 I2C
- Serial (i.e., UART).
- 90% efficient voltage converters.
- Sleep mode below 100 µW.
- Low power (always on) display.
- Up to 1 year between batteries replacements at low duty cycles.
- ARM Cortex M3.