

# DM32FI03



## Demo Board for Green STM32 Designs

It features:

- STM32F103RC high density processor with 256kB flash and 48 kB RAM
- Single cell AAA supply
- 6v-36v lab interface suitable for solar panel inputs
- Lithium-polymer battery charger from external power or USB
- Preset charging current of 500 mA, parameters adjustable with two resistors and one capacitor
- Coin cell option for VBAT
- Automatic power management controller for prioritizing and balancing between solar panel, USB, lithium and alkaline sources
- 4 user LEDs, 2 switches
- 50k potentiometer
- 20-pin JTAG interface header
- 10-pin bootloader interface header for future bootloader tools
- Prototyping area
- I2C interface
- 4 Mbit serial flash
- 32 kHz RTC crystal, 8 MHz high-frequency crystal