

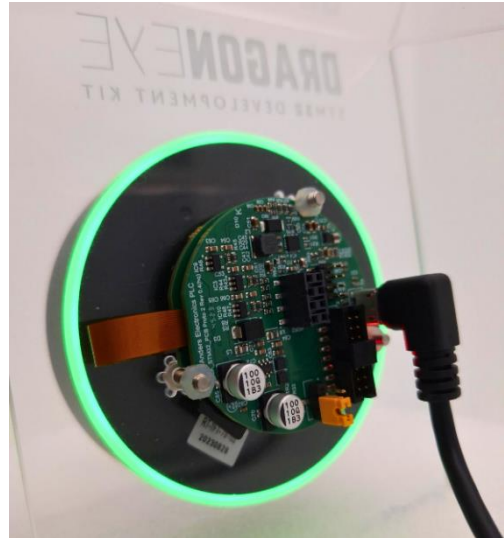
PRESS RELEASE

Anders Introduces DRAGONEYE Arm® Cortex®-M4 core-based Microcontroller development kit that accelerates product development by 6 months.

Oxfordshire, UK, 8th February 2024 — Navigating the intricate landscape of hardware and software development with high performance graphical capabilities can be an expensive and time-consuming endeavour.

Anders has expanded their embedded capabilities with the launch of [DRAGONEYE](#), a groundbreaking **Microcontroller development platform based on the STM32F4 series CPU. It's first iteration is paired with a rotary encoder display, with others to follow.** It promises to be a game-changer for engineers and product developers worldwide, by providing a pre-developed Hardware/Software combination that is easy to integrate within your system to enhance the User Experience interaction of the final application.

It not only allows idea validation with a quick proof of concept, but also allows development of software for a final prototype, **saving up to 6 months' worth of time and financial resource in hardware development and driver integration.**



The DRAGONEYE Advantage

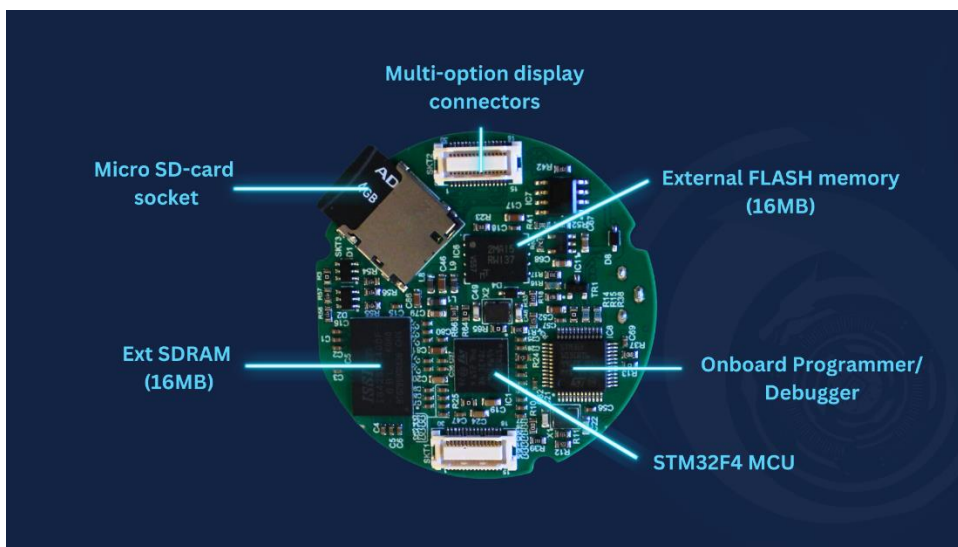
DRAGONEYE is powered by the exceptional ARM Cortex M4 core from ST Microelectronics, setting it apart as a powerhouse for **rapid development, testing and evaluation of display performance, GUI designs, software control, I/O communication ports, and more.** This platform has pre-developed drivers for an expanding range of circular displays, input encoders and touch sensors which will save significant engineering time and effort in development and debugging. DRAGONEYE not only delivers a rapid proof of concept but accelerates the overall product prototype development.

Design to Delivery

The DRAGONEYE platform is **designed with versatility in mind** to accelerate your product development cycle. Anders can easily customise DRAGONEYE by re-purposing the industrial grade hardware, the software, or the mechanical features for production reality, and provide a complete sub-assembly for mass production and long-term continuity of supply. Whether you need a specific display size or shape for your application or are considering a different STM32-MCU configuration, the Anders engineering team can design a platform to get your concept to production in super-quick time.

DRAGONEYE Features:

- **High-performance:** STM32F4 series MCU featuring MIPI-DSI and RGB interface.
- **Expanded memory options:** 16MB SDRAM and Flash for peace of mind UI/UX development.
- **Extensive host connectivity:** UART, SPI, CAN bus, I2C, GPIOs to directly drive host co-processor or sensors/actuators.
- **Expansion connectivity:** Including UART, I2C, GPIOs, Wi-Fi/BT for total standalone applications.
- **High contrast display:** 480 x 480 (or 240 x 240) IPS-TFT LCD.
- **User input interaction:** Rotary Encoder or Capacitive Touchscreen options
- **GUI rendering:** Built-in display driver IC



What's Included in the DRAGONEYE Kit?

The ready-to-run Microcontroller Development Kit includes everything necessary for success and is available to order now:

- DRAGONEYE Microcontroller development platform with access to STM's trusted 'cube' suite of software tools including the TouchGFX GUI editor.
- Pre-integrated hardware with 2.1" Rotary Encoder LCD (1.3" rotary encoder or 2.1" circular capacitive touchscreen display options available soon).
- Pre-developed software driver package (BSP).



Built for Diverse Industries

DRAGONEYE isn't limited to a single niche; it caters to a wide array of industries, including smart home and buildings, medical devices, fitness and well-being, industrial control, audio and much more.

Why Choose STM32?

Anders Electronics has chosen the impressive STM32 Microcontroller family for its graphics acceleration, memory integration, advanced display interfaces, and intelligent architecture. STM32 MCUs empower you to elevate your applications with a premium user experience while keeping your total cost of development in check. When you choose DRAGONEYE, you're not just acquiring STM32 based hardware; you're gaining access to a wealth of resources:

- The largest portfolio of advanced UI graphics on 32-bit Arm Cortex microcontrollers
- Complimentary state-of-the-art software and design tools
- Comprehensive documentation, reference designs, and outstanding technical support

Ready to embark on a journey marked by streamlined development, cost savings, and engineering excellence? Secure your DRAGONEYE kit today and witness the future of hardware development unfolding before your eyes!

For more information about DRAGONEYE and to discuss your specific needs, please visit:

<https://www.andersdx.com/dragoneye-stm32-development-kits/>

About Anders Electronics

Anders is a leading provider of cutting-edge Display, Touch, and Industrial Embedded IoT Solutions, dedicated to transforming design concepts into tangible product realities. With a wealth of expertise in display technology, embedded computing, and touch control systems, Anders Electronics is committed to helping clients elevate their products through exceptional design and engineering.

We believe in a collaborative approach. We partner closely with our clients to gain a deep understanding of their unique challenges, applications, industries, and end-users. This collaborative effort ensures that we design solutions tailored to the specific needs of each project, with a strong focus on compliance, reliability, and uncompromising quality.

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