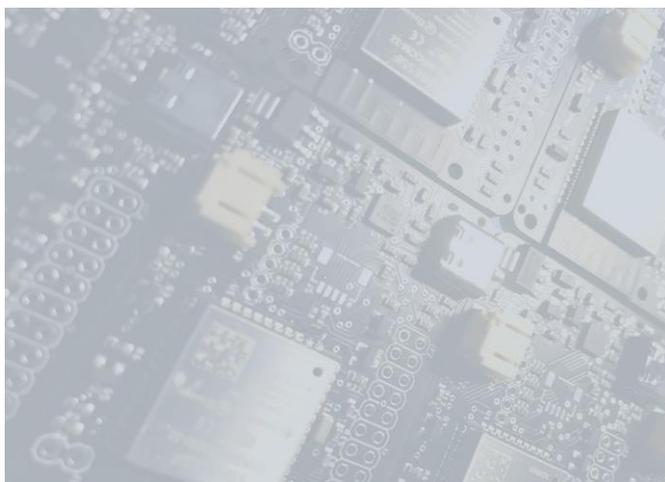


PRODUCT DESIGN SPECIALISTS

Byte & Word services all aspects of the product development lifecycle for software-first devices. We make it happen, from idea to hardware, firmware, software, testing, and manufacturing. Our experience building low-power devices, implementing network connectivity features, developing specialized AI algorithms, and integrating all of the required sensors, controllers, cameras, and displays is what's needed to make your product happen.

Byte & Word has developed devices for customers large and small in areas as diverse as consumer, defense, industrial, internet-of-things, medical, network infrastructure, and research.



Developing the next big thing?

Byte & Word is the home of the firmware, software, and hardware experience that will make it a reality.

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HELLO@BYTEANDWORD.COM**



**Byte
& Word**

**Make Your
Product Happen**

EMBEDDED FIRMWARE TECHNOLOGIES

Our specialty is the embedded firmware that makes products come alive. We have integrated a wide array of sensors, peripherals and connectivity technologies into our past designs. We're ready to make them work for your product, too.

Bluetooth Low-Energy, Bluetooth Classic

Temperature, Humidity, and Gas Monitoring

High-Performance IMU's and GPS

Microphones and Audio Processing

Touchscreen Displays, with MIPI, I2C, or SPI Interface

Thermal and RGB Cameras, with MIPI, I2C, or SPI Interface

Internet Connectivity Through WiFi and Ethernet

Radar and Ultrasonic Sensor Systems

eMMC, SD card, and NAND Storage

Lithium and Li-Ion Battery Power

DISPLAYS AND USER INTERFACES

Intuitive, responsive, easy to use: We've heard all of these said about our user interfaces. Today's users demand bigger and more responsive screens with smoother graphics. Under one roof, we integrate the design talent you need to produce those quality interfaces with the firmware development talent that makes those interfaces responsive and stable.

CAMERAS AND MACHINE VISION

Cameras and edge image processing are bringing a new level of understanding to many devices, opening up new industries and possibilities. We have the expertise to implement the image processing that your device needs, even if it has a tight power or performance budget.

DEVELOPMENT PLATFORMS

STMicroelectronics STM32

Espressif ESP32

Nordic Semiconductor NRF52

Microchip PIC

Microchip AVR

Embedded Linux Devices

DEVELOPMENT LANGUAGES

C / C++

Python

Rust

Java