

M-Series (Microcontroller Based)

The MiCAP platform is created to allow immediate plug and play functionality to allow you the ability to implement and test as many functions as your controller might require.

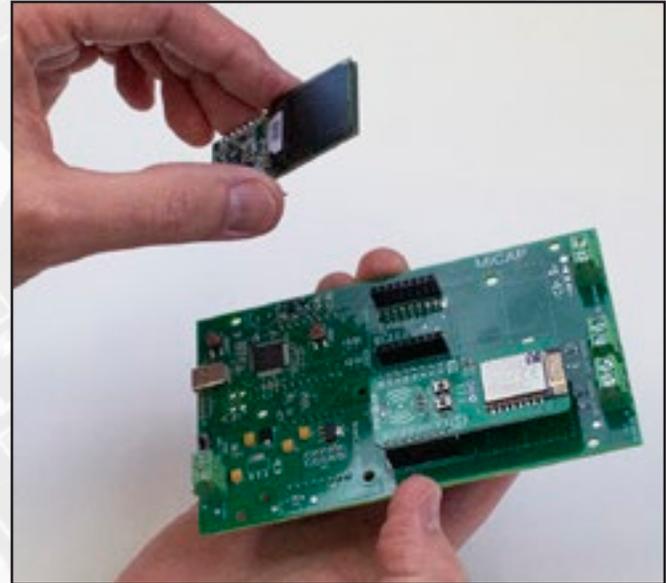
- Standard Board Begins with Up to 4 Add-On Interface Boards (2 Front, 2 Back)
- Work with our Team to Quickly Expand with Additional Interface Boards to Meet your Needs

Standard Board Accommodates Up To 4 Add-On Interface Boards

More modules can be quickly added if your application requires.

Below is a partial list of add-on options.

- LTE Cell Modem
- RFID Reader
- NFC Reader
- Bluetooth
- Barcode Reader
- Distance Sensor
- Temperature & Humidity
- Display interface
- CANBUS
- Optical Isolated Digital Outputs
- Analog input MUX
- ADC 8 inputs
- RS-485 (Full/Half Duplex)
- RS-232
- Ethernet
- PWM
- 4-20mA Input
- 4-20mA Output
- Relay (dual)
- MOSFET output
- Relay (Quad low current)
- Potentiometer input
- Multimeter
- MicroSD Flash memory
- DC Motor driver
- PCB Touchbutton
- Capacitance PCB touch
- Rotary encoder
- Real-Time Clock
- Li-Ion Battery Charger



Standard Specifications:

Processor:	32-bit MCU
System Microcontroller:	Atmel Infineon Microchip STMicroelectronics
Output:	2 digital outputs, optically isolated with indicator LEDs
Input:	1 analog input (1-5 Volts)
Digital Coms:	I2C, PWM, SPI, UART
Programming Interface:	ICSP
User Interface:	Pushbutton 2 user LEDs
Power Supply:	5-24 VDC (Typical) (Other options available per application)
Plug and Use Interface:	See partial list on left

Use This Design Platform To Launch Your Next Controller Project...Already Developed And Ready For You To Add Your Finishing, Customized Touch-Making It Uniquely Your Own. Get There In Weeks Instead Of Months Or Years.

For more information: contact **KURT WEBBER** - kwebber@apialliance.com **260.637.2739 x111**

API ALLIANCE 14220 Plank Street Fort Wayne, IN 46818 www.apialliance.com

MiCAP

API

ALLIANCE

"Partners in Design and Production"

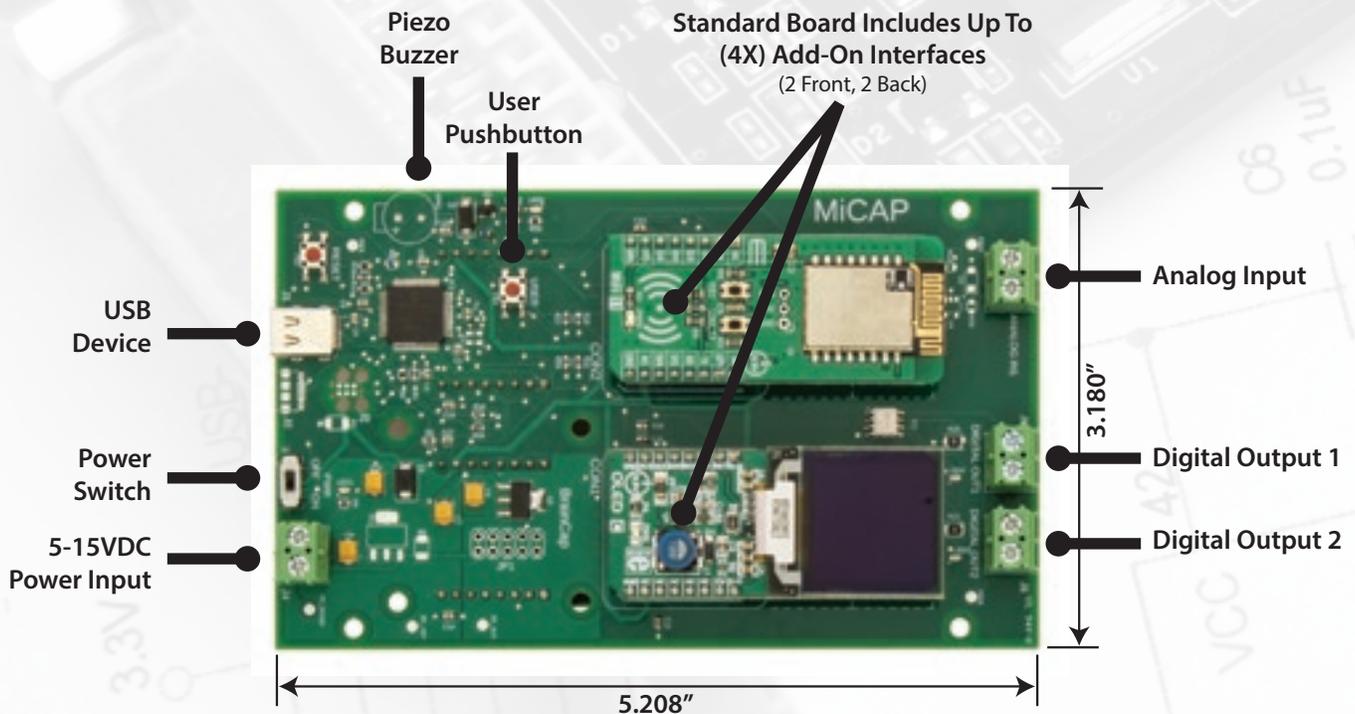
www.apialliance.com

M-Series (Microcontroller Based)

About the MiCAP

M Series (Microcontroller Based)

The MiCAP is a field-ready development platform for microcontroller based products. Customizable to meet any individual feature requests or deployable in its off-the-shelf form factor to meet your next application requirements. ICSP provided to download your compiled code. Faster time to market obtained by eliminating hardware development. Prototyping and testing from concept in one step.



The MiCAP is Ideal for many Applications

- ▶ Food Processing Equipment
- ▶ Material Handling
- ▶ Automated Tester
- ▶ Heating Ventilation Air Conditioning
- ▶ Instrumentation
- ▶ Lighting Controls
- ▶ Motor & Pump Controls
- ▶ Air & Gas Compressor, Air Handling Equipment



Designed and Assembled
in the U.S.A.

API ALLIANCE

www.apialliance.com
14220 Plank Street Fort Wayne, IN 46818