

# ALPHA91™

## 4 CHANNEL MAINBOARD V1.3

This is a 4-channel ESP32-S3-based IoT Automation and Control Board designed for industrial, fire suppression, automation, and IoT applications. It offers connectivity, power management, and modular sensor integration

**RS485**  
CONNECT TO OTHER DEVICES  
AND SENSORS

**4 CHANNEL DIGITAL IN / OUT 3.3V**  
(TEMP SENSOR PLUG AND PLAY)

**WIFI BLUETOOTH**

**KEYPAD CONTROLLER**

**LCD & OLED DISPLAY  
PINOUT**

**24V DC IN**

**25.6V LIFEPO4  
CHARGER**

**2 X 12V  
OUTPUT**

**ETHERNET**

**5 X 12V / 24V DC**

**DIGITAL ON / OFF  
SWITCH SELECTABLE**

**RS-485  
Serial**

**Web  
Server**



**WiFi**

