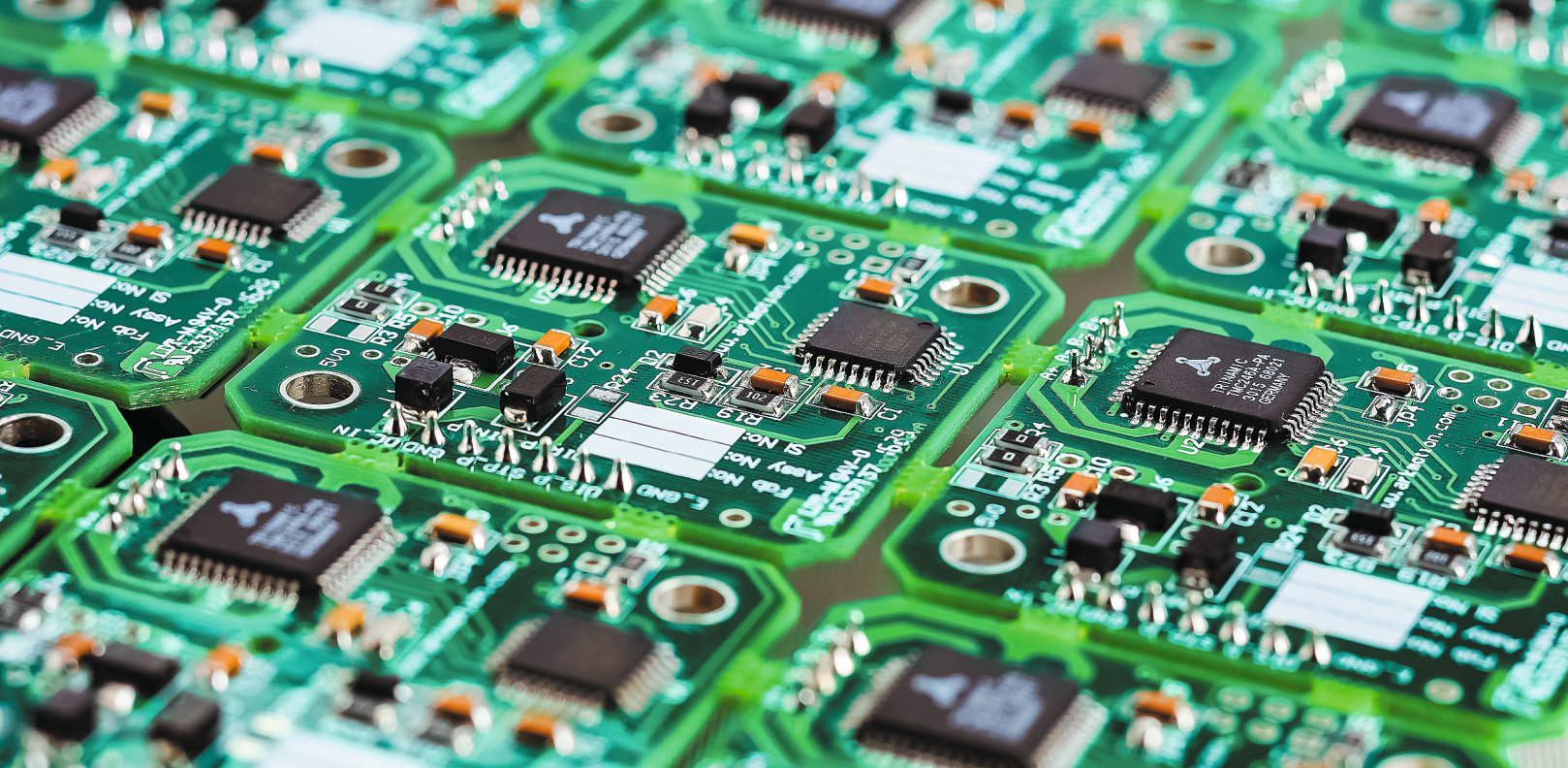




DEFINING STATE-OF-THE-ART IN MOTION CONTROL



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 **ark motion**[®]
SPECIALIZED IN MOTION SOLUTION

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ARK ELECTRONIC MOTION CONTROLS

Ark Electronic Motion Controls India Pvt. Ltd. is a specialized motion control technology company engaged in the design, development, and manufacture of advanced motor controllers and custom motion control solutions.

With a strong focus on innovation, quality, and reliability, we provide high-performance motor control products that deliver precise motion, improved efficiency, and optimized system performance. Our solutions are designed to meet the demanding requirements of OEMs and industrial automation applications across a wide range of industries.

Our product portfolio includes motor controllers and drives for BLDC, Servo, DC, and Stepper motor applications, offering flexible and cost-effective solutions for diverse motion control needs. Through our strong customization capabilities, we develop application-specific products tailored to customer requirements, ensuring seamless integration and maximum performance.

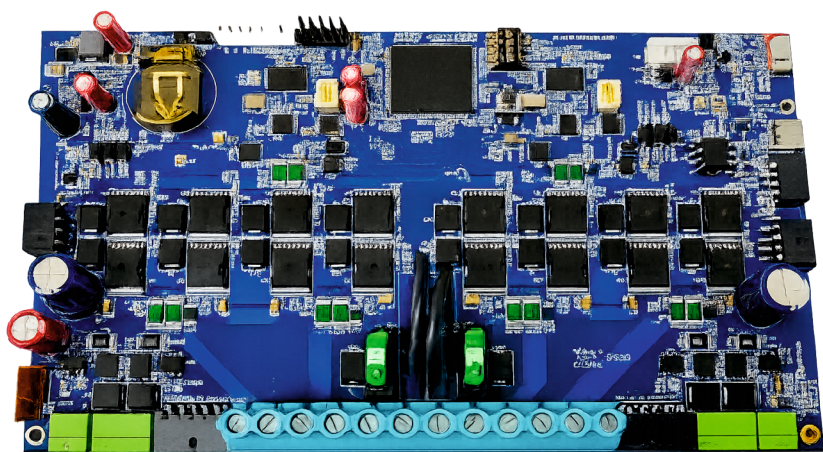
Ark Motion solutions are widely used in:

- **Robotics & Automation**
- **Medical Hand Tool**
- **Diagnostic Equipment**
- **Textile Machinery**
- **Automated Guided Vehicles (AGVs) & AMRs**
- **Industrial Automation Machinery**

Driving Precision. Powering Innovation.

DUAL AXIS SERVO DRIVE

ADSV 4830

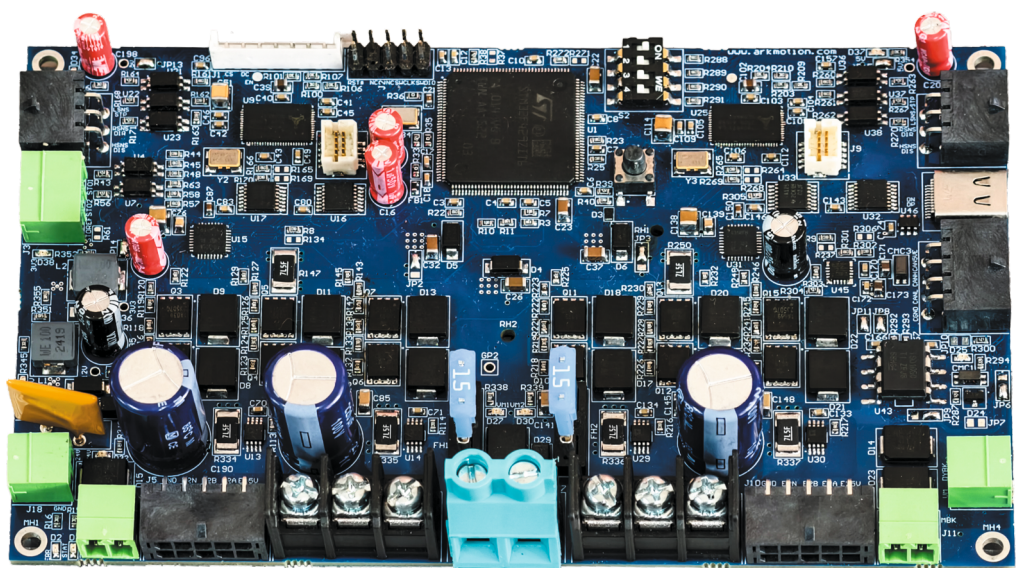


The ADSV 4830 is a compact dual-axis servo drive designed for 3-phase BLDC and 2-phase stepper motors, featuring STO (Safe Torque Off) functionality (non-certified) and dedicated 0-10V analog input support for each axis for flexible motion control integration. Operating at up to 48V, 30 ARMS, and 1500W x 2 axis power, it delivers precise and synchronized motion control with high accuracy, ensuring efficient, reliable performance and seamless integration into compact industrial applications.

PARAMETER	SPECIFICATION
Input Voltage	48V DC
Logic Supply Voltage	24V DC Nominal
Output Current	Up to 30A RMS Continuous (Per Axis)
Output Power	1500W (Per Axis)
Control Method	Field Oriented Control (FOC) -3-Phase FOC for BLDC Servo, 2-Phase FOC for Stepper Servo
Motor Support	BLDC Motors & Stepper Motors with Encoder Feedback
Feedback Options	Incremental Quadrature Encoder, Digital Hall Sensor
Communication Interfaces	Isolated RS485 (MODBUS) & CAN with External 5V
Analog Input	0-10V (Per Axis)
Direction, Step & Disable Input	Opto-isolated Digital Inputs (Per Axis)
Operating Temperature	0-60°C

DUAL AXIS BLDC SERVO DRIVE

ADBSV 4810

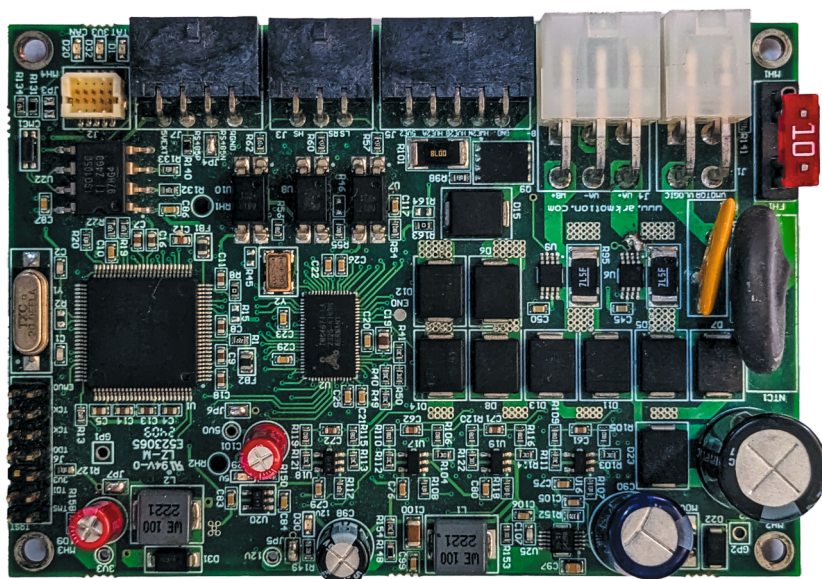


The ADBSV 4810 is a compact dual-axis BLDC servo drive designed for precise, synchronized control of 3-Phase BLDC motors. Operating at 48V with up to 10 ARMS continuous current, it features uncertified Safe Torque Off (STO) functionality and independent 0-10V analog inputs per axis, ensuring flexible, efficient, and reliable industrial automation integration.

PARAMETER	SPECIFICATION
Input Voltage	48V DC
Output Current (Continuous)	Up to 10 ARMS Continuous
Peak Current	15A
Output Power	Upto 480 W per axis
Control Method	Field Oriented Control (FOC)
Feedback Options	Incremental Quadrature Encoder, Digital Hall Sensor
Communication Interfaces	RS485 (MODBUS), CAN, USB
Interface Isolation	Isolated CAN & RS485 (With external 5V)
Control Inputs	Step, Direction, Disable
Analog Input	0-10V per axis

SINGLE AXIS SERVO DRIVE

ASV 4810

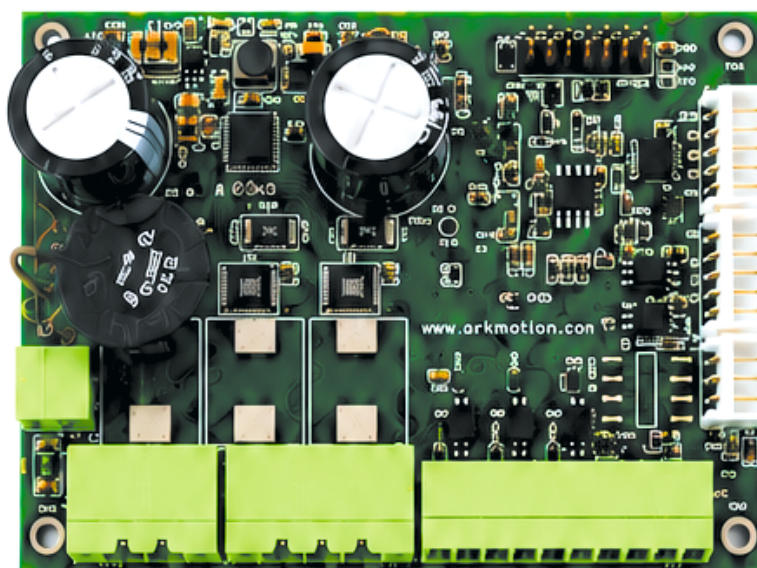


ASV 4810 is a single axis servo drive platform for 3-phase BLDC/PMSM motors, 2 Phase Step Servo Motors and Brushed DC Servo motors running with up to 10ARMS at +48V. It offers RS485 and CAN interfaces and supports various position feedback options: incremental quadrature encoder and digital hall sensor.

PARAMETER	SPECIFICATION
Logic Supply Voltage	24V DC (Nominal)
Motor Supply Voltage	48V DC (Nominal)
Continuous Current	Up to 10 ARMS
Peak Current	14 ARMS (Short Time Peak)
Encoder Input	5V Incremental (ABN)
Hall Input	Digital Hall Sensor
Analog Input	0-10V
Communication Interfaces	RS485, CAN (Works with external 5V supply only)
Control Method	Field Oriented Control (FOC)
Motor Support	BLDC, PMSM, Stepper, Brushed DC Motors

DUAL AXIS BLDC SERVO DRIVE

IBLS 3610



IBLS 3610 is a high performance servo drive designed for 3-phase high speed, low inductance motors.

With support for both RS485 and CAN communication, 0-10V analog input and high speed capability of up to 80000 RPM, it delivers precise, fast and reliable motion control for demanding applications like arthroscopic shavers.

PARAMETER	SPECIFICATION
Input Voltage	36V DC
Continuous Current	10A RMS
Peak Current	15A (Short Time Peak)
Communication Interfaces	RS485, CAN
Analog Input	0-10V
Max Speed	Up to 80000 RPM
Motor Type Support Motors	High Speed Low Inductance
Control Method	Field Oriented Control (FOC)
Operating Temperature	0°C to +60°C

UNIVERSAL CONVERTER

ARK UniCon SERIES



The ARK UniCon series is a professional grade, universal communication protocol converter designed to bridge multiple industrial protocols and interfaces.

ARK UniCon - S (Standard Version)

- Robust Switches for ID & Configuration
- Streamlined, display-less compact design.
- Ideal for set-and-forget industrial integrations.

ARK UniCon - X (Extended Version)

- Stunning 5-Inch Capacitive Touch Display.
- GUI for configuration and monitoring
- Advanced on-screen diagnostic tools

PARAMETER	SPECIFICATION
Input Voltage	24V / 5V DC (USB or Terminal)
Communication Interfaces	RS485, CAN, USB-C (Device), UART (TTL)
Communication Modes	Half Duplex, Full Duplex, Repeater Mode
ID Selection	RS485 / CAN ID Selection
Termination	CAN Termination Selection
USB Connector	Type C Device Port



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