

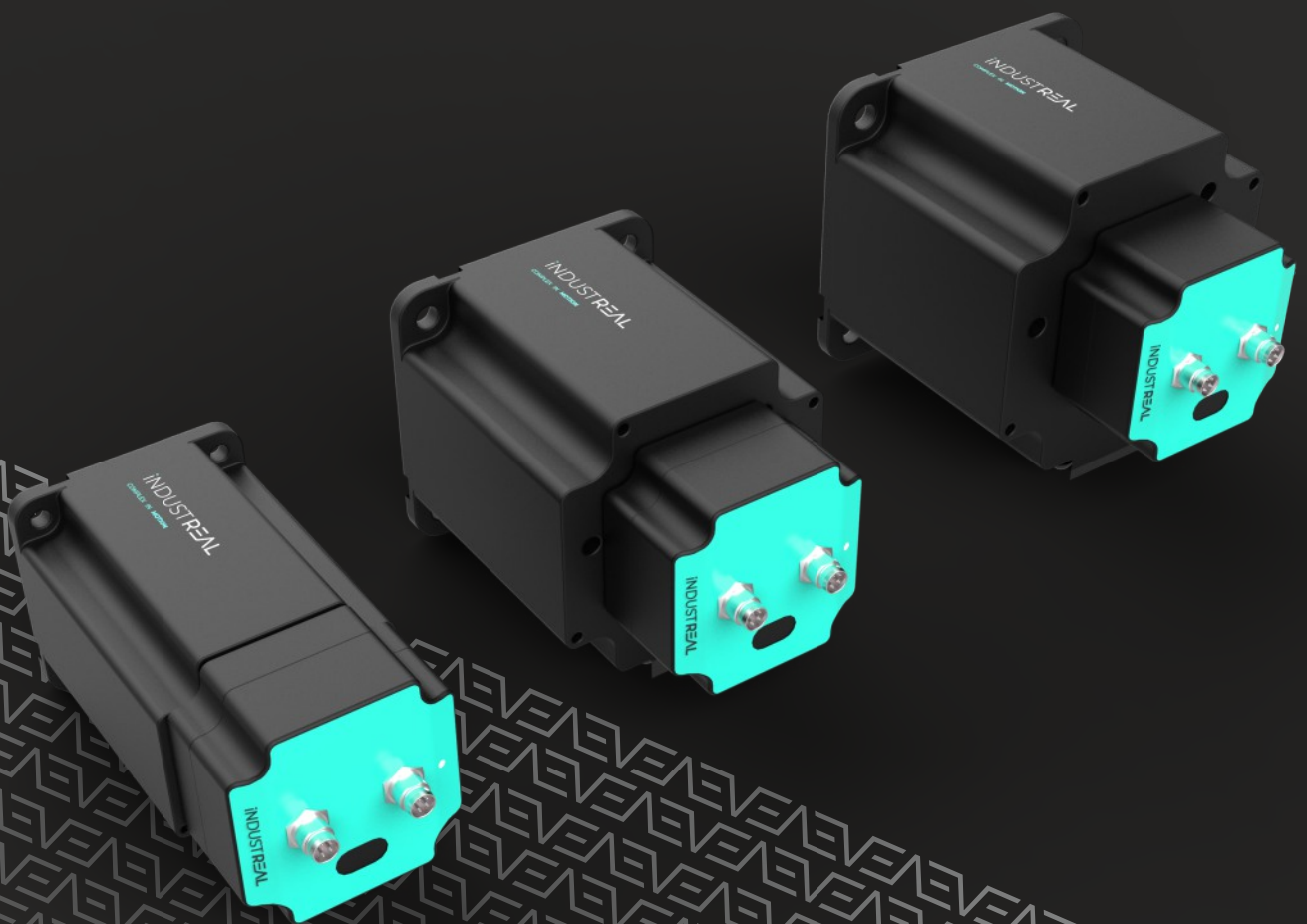
iNDUSTREAL

COMPLEX IN MOTION

DATASHEET

iNDUSTREAL.SRV

SERVO MOTOR



WWW.INDUSTREAL.TECH

iNDUSTREAL

COMPLEX IN MOTION

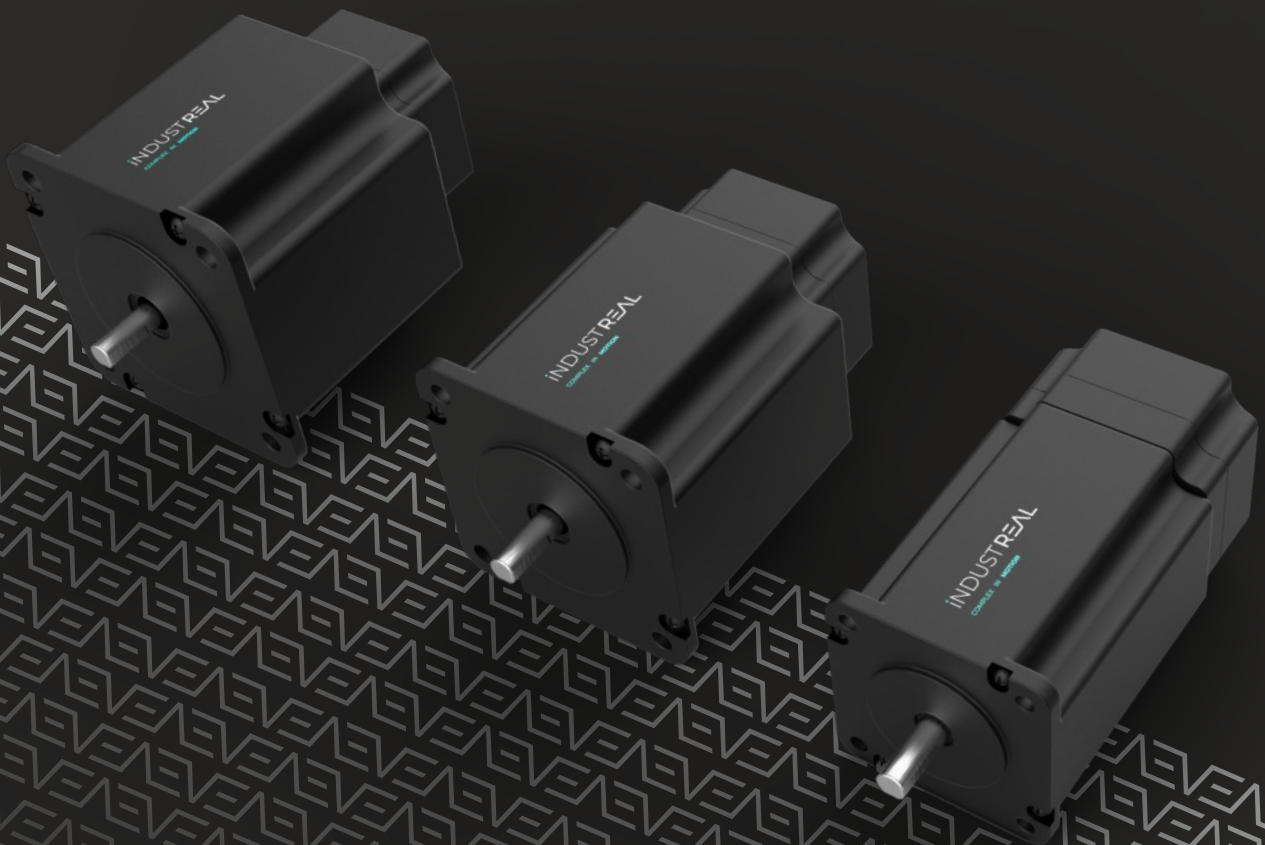
Introduction

iindustREAL.SRV is a high-performance servo motor system built for demanding motion control applications. Connected via **CAN-FD Bus with CAN Open and RS-485 with Modbus protocol**. It features a high-torque motor coupled with an optional precision gearbox, delivering exceptional accuracy and responsiveness.

Utilizing advanced Field Oriented Control (FOC) and equipped with an automotive-grade magnetic position sensor, the IndustREAL.SRV ensures smooth, precise motion and reliable feedback—even under dynamic load conditions. Its dual power feed design enhances operational safety and flexibility, making it ideal for use in robotics, industrial automation, and other precision-driven environments.

Application examples

- Commercial: Force feedback system
- Industrial: Robotics and Smart Manufacturing
- Industrial: Auxiliary actuators - UAV drive system



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KEY PARAMETERS:

- High torque output : 4 – 20 NM
- 48V
- Absolute position sensing with 0.01° resolution
- Field Oriented Control with torque or position control mode
- Dual channel CAN-FD with CANOpen CiA 402 profile
- ModBus RTU system
- Auxiliary input (2 input 2 output)

POWER CHARACTERISTICS

Input min-max

MOTOR CHARACTERISTICS

Speed

Torque

Holding torque

GEARBOX CHARACTERISTICS

- Selectable 1:3, 1:5, 1:10 precision planetary gearbox

COMMUNICATION

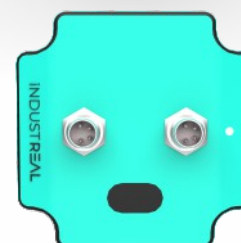
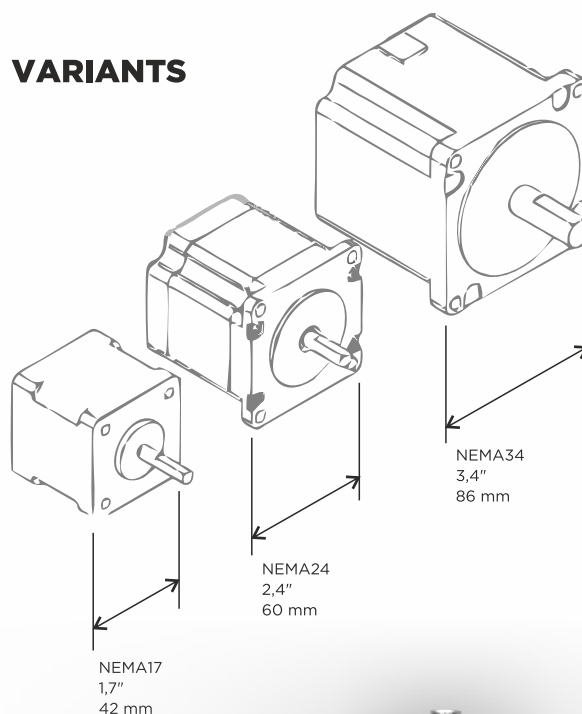
- Dual channel CAN-FD with CAN-Open CiA 402 and CiA305 addressing.

SOFTWARE SUPPORT

It comes with IndustREAL software drivers and examples. Position mode, speed mode or torque mode.

GitHub URL: [here](#).

VARIANTS



Parameter	NEMA17	NEMA24	NEMA34
Weight	N/A	N/A	N/A
Speed	N/A	N/A	N/A
Torque	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A