

Product Release Notice

KINGSTAR 3.8.3

General Availability Release Date

May 26, 2023

Product Overview

KINGSTAR is an all-software, complete “plug-and-play” PC-based Machine Automation platform for IoT and Industry 4.0. Key pre-tested and pre-integrated industrial machine components include software-based motion control, machine vision, programmable logic controller (PLC) and the industry’s only plug-and-play EtherCAT master that auto-discovers any vendor’s EtherCAT drive, IO or device and auto-configures the EtherCAT environment at startup. Built on the EtherCAT standard and supported by a real-time 64-bit Windows operating-system (RTOS) from IntervalZero, KINGSTAR empowers engineers to design, develop and integrate machine control applications or a system of controllers on a single Industrial PC. The KINGSTAR platform can replace all hardware with software-only motion controllers and machine vision positioning systems, quickly and cost effectively.

There are two product lines – **KINGSTAR Motion** and **KINGSTAR Fieldbus**:

- **KINGSTAR Motion** replaces hardware motion cards with an all-software solution that creates PC-based machine controllers for premium precision and performance.
- **KINGSTAR Fieldbus** offers support for CANopen over EtherCAT and simplifies configuration of EtherCAT networks with its unique plug-and-play approach.

KINGSTAR Fieldbus

Resolved Issues

- Resolves an issue where an ORIENTALMOTOR_AZD-KED drive cannot run in DC mode. [KS-4905]

- Resolves an issue when KINGSTAR connects to a LJ-X8000E's EtherCAT module with a sample program, the function RtEcatCreateMaster returns -3, and RTX64Server Log shows "Set Master to SafeOP Failed". [KS-4601]
- Resolves an issue where Beckhoff EK1122 was not properly handling the calculation for the Distributed Clock (DC), this caused devices after it that used DC to not start. [KS-4986]

KINGSTAR Motion

Resolved Issues

- Resolves an issue where an abnormal command was sent in the deceleration section. [KS-4906]
- Resolves an issue where the MC_GroupJog command does not move a drive physically and returns the "DONE" flag during polling. [KS-4376]

Availability

KINGSTAR 3.8.3 Motion and KINGSTAR Fieldbus are available beginning May 26, 2023, through Partners and by contacting KINGSTAR Sales at Sales@kingstar.com.

We welcome your comments and feedback. If you have any recommendations or wish to suggest product enhancements, please contact [Product Management](#).