

Product Release Notice

KINGSTAR 3.1.1 Release

General Availability Release Date

June 2, 2017

Product Overview

KINGSTAR products are designed for industrial machines requiring motion control and positioning systems. KINGSTAR's all-software approach sets it apart from other machine control solutions.

Using the EtherCAT standard; the power of Industrial PCs; and the Windows operating system, enhanced by IntervalZero's RTX64 hard real-time software that transforms Windows into a real-time operating system (RTOS), you can create software-only, PC-based machine controllers that lower the costs of industrial machines while delivering excellent precision and performance.

There are two product lines: **KINGSTAR Soft Motion** and **KINGSTAR EtherCAT**.

KINGSTAR Soft Motion is a complete software solution that creates PC-based machine controllers with premium precision and performance.

KINGSTAR EtherCAT provides support for CANopen over EtherCAT and simplified configuration of EtherCAT networks.

New Features and Resolved Issues

KINGSTAR Soft Motion

- Resolves an issue regarding the MC_MoveContinuousRelative function not maintaining the original velocity when in buffer mode. (291)
- Adds support for overriding velocity, acceleration and jerk for multi-axis setups with the function MC_GroupSetOverride. (244)
- Resolves an issue regarding CAM failing when built under Windows debug configuration. (285)

- Resolves an issue regarding the unsupported hardware list not being displayed properly within the ESI Import Tool. (304)
- Improves the memory usage of the ESI Import Tool. (263)

KINGSTAR EtherCAT

- Resolves an issue regarding the KINGSTAR EtherCAT master failing to connect with slave devices. (287)
- Resolves an issue regarding drives not working correctly when using PDO assignment. (293)
- Resolves an issue regarding the encoder resolution of OMRON servo drives not being read correctly. (301)
- Adds and improves default support for the following Servo drives:
 - Festo CMMP-AS-M3 (306)
 - Newport XPS-RL Series (314)
 - Panasonic Minas A6 Series (308)
 - TQ Systems SDB-40-100 (310)
 - FAULHABER Drive (272)
 - Kollmorgen AKD Drive (309)
- Adds and improves default support for the following EtherCAT I/O devices:
 - dieEntwickler RapidoScan (305)
 - Leuze bar code scanner BCL 338i (307)
- Adds and improves default support for the following EtherCAT couplers:
 - Friedrich Lütze LCOS-BC-PN (312)
 - Phoenix Contact IL-EC-BK-PAC (311)
 - Weidmüller UR20-4DI-P (313)
 - Weidmüller UR20-FBC-EC (313)
 - Weidmüller UR67-MP-78-8DIDO-12-60M (313)

Availability

KINGSTAR 3.1.1 Soft Motion and KINGSTAR EtherCAT are available beginning June 2, 2017 through Partners and by contacting Sales: KINGSTARSales@kingstar.com or (781) 996-4481. Evaluation Downloads can also be requested [here](#).

We look forward to comments and feedback. If you have any recommendations or wish to suggest any product enhancements, please contact Product Management at: KINGSTARSales@kingstar.com.