Product Release Notice

KINGSTAR 4.1.1 Runtime

General Availability Release Date

October 19, 2021

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.

KINGSTAR version 4.1.1 Runtime is available as a full installation or as an update to KINGSTAR 4.1 Runtime.

Resolved Issues

- Resolves an issue where the real-time and windows API GetAxisError cannot get the expected axis error if an alarm is triggered on a drive. [KS-3363]

- Resolves an issue where the .NET API AbortCommand cannot reset the probe after a position is recorded. [KS-3364]

- Resolves an issue where an EtherCAT link cannot be built if the cycle time is set to 125 or 250 microseconds. [KS-3365]

- Resolves an issue where a position lag error occurs when SetAxisPositionOffset runs in Relative mode. [KS-3366]

- Resolves an issue where FoE write fails with slow devices. [KS-3396]

Hardware Support

KINGSTAR has added out-of-the-box support for the following new hardware. See the *KINGSTAR Supported Hardware* document for a complete list of supported hardware.

Servo drives

- Delta ASDA-A3 [KS-3367]

Availability

KINGSTAR 4.1.1 is available beginning October 19, 2021, from the IntervalZero Customer Center or by contacting Sales: sales@intervalzero.com or (781) 996-4481.

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