

KINGSTAR 3.6.1

SUPPORTED HARDWARE

KS-DOC-x64-0001-R19

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Contents

Servo drives	1
Stepper drives	5
EtherCAT I/O modules	7
EtherCAT couplers	11
Balluff	11
Beckhoff	11
Friedrich Lütze	11
PHOENIX CONTACT	12
VIPA	12
WAGO	12
Weidmüller	12
Get support	13
Third-party support	13
Online support	13
Before calling technical support	13
The version number of your RTX64 and KINGSTAR software	13
Phone support	14

Servo drives

Device	Information
ABB MicroFlex e190	https://new.abb.com/drives/low-voltage-ac/motion/microflex-e190
Beckhoff EL7201-0011	https://www.beckhoff.com/english.asp?ethercat/el7201.htm
CoolDrive A8	http://bit.ly/2nbHKX9 (Simplified Chinese)
Copley Accelnet	http://bit.ly/2o2Ckvq
Copley Stepnet	http://bit.ly/2mqUtqx
Copley Xenus	http://bit.ly/2nzxcCk
Delta ASDA-2	http://bit.ly/2n5J3FC
Elmo Gold	http://www.elmomc.com/products/gold-digital-servo-drives-main.htm
ESTUN ProNet-EC	http://en.estun.com/ProductClass.aspx?id=554
Fastech Ezi-SERVO II EtherCAT	http://fastech.co.kr/new/board/bbs/board.php?bo_table=sub010207_en
Faulhaber Motion Controllers Series 5004	https://www.faulhaber.com/en/products/series/mc-5004-p/
Faulhaber Motion Controllers Series 5005	https://www.faulhaber.com/en/products/series/mc-5005-s/
Faulhaber Motion Controllers Series 5010	https://www.faulhaber.com/en/products/series/mc-5010-s/
Faulhaber Motion Control Systems Series MCS	http://bit.ly/2nQ8XgB

Device	Information
Festo CMMP-AS-C2-3A-M3	https://bit.ly/2jAqN67
Festo CMMT-AS-M3	https://www.festo.com/
Festo EMCA	https://www.festo.com/cms/nl-be_be/60236.htm
Fuji ALPHA5 Series	http://www.fujielectric.com/products/servo/alpha5/
Han's Robot D-Module Series Modular	http://en.hansmotor.com/hansagvrobot/162-198.html
Hiwin D1/D1-N/D2	http://bit.ly/2nQeTWZ
Inovance IS620N	http://www.inovance.cn/content/details124_12890.html (Simplified Chinese)
*ITRI Drive 16bit	https://www.itri.org.tw/eng/
KEB COMBIVERT F6-K	http://keblog.com/f6k-ethercat-sto-vfd/
Kollmorgen AKD EtherCAT Drive	http://www.kollmorgen.com/en-us/products/drives/servo/akd/
Maxon Maxpos	http://www.maxonmotor.com/maxon/view/content/MAXPOS-Detailsite
LS Mecapion L7N	http://www.lsmecapion.com/eng/contents/sub01/sub01_02.php
Mitsubishi MR-J4-TM	http://bit.ly/2nApE22
*Newport XPS-RL Series	http://bit.ly/2q34U02
Nexcom AXE-5904 Tested with YASKAWA SDGV-R90A01B and Panasonic MADKT1505CA1	https://bit.ly/2yoWKGf

Device	Information
Omron G5	http://www.ia.omron.com/products/family/2644/
Panasonic Minus A5 Series	https://bit.ly/2CY5VBx
Panasonic Minus A6 Series	http://bit.ly/2q2zwiv
Phase AXM II	http://www.phase.eu/axm-ii/
RS Automation CSD7_01BN1	https://bit.ly/2RsiXuk (Korean)
Sanyo Denki RF2 ¹	http://www.sanyodenki.eu/Multi-Axis-Servo-Amplifier-with.html
Sanyo Denki RS2	http://bit.ly/2nK30Ay
Sanyo Denki RS2H	http://bit.ly/2nK30Ay
Servotronix CDHD	http://servotronix.com/products/cdhd-servo-drives/
Shihlin Electric SDP-E	http://www.seec.com.tw/en/product/product_list.asp?pno=169
Sinamics S120 via Robox module	https://sie.ag/2trx4pv http://www.robox.it/en-US/showcateg.php?idcap=IO.P
TDE OPDE	http://www.tdemacno.com/en/32.9-02-OPDE.html
Teco JSDG2	http://globalsa.teco.com.tw/products_series.aspx?KindID=1&ID=4
TPM SVR-K112	http://www.tpm-pac.com/
TQ Systems SDB-40-100	http://bit.ly/2rkTNV1
TSV-HL	Website is unavailable.

Device	Information
Yaskawa Sigma-5	http://bit.ly/2mO3YLF
Yaskawa Sigma-7	http://bit.ly/2mqOEch

¹Four axes.

*Yet to be tested.

Stepper drives

Device	Information
Beckhoff EL7031	http://www.beckhoff.com/english.asp?ethercat/el7031.htm
Beckhoff EL7041 EL7041-1000	https://www.beckhoff.com/english.asp?ethercat/el7041.htm
Beckhoff EL7047	http://www.beckhoff.com/english.asp?ethercat/el7047.htm This stepper drive doesn't support position modes.
Delta R1- EC5621	http://www.deltaww.com/default.aspx?hl=en-US
Kinco FM880	https://bit.ly/2ZBMTJI
Leadshine DM3E-556	http://www.leisai.com/cn/cpzx/index_36_lcid_327_lcid_22_cid_269.html (Simplified Chinese)
Leadshine DM3E-870	http://www.leisai.com/cn/cpzx/index_36_lcid_328_lcid_22.html (Simplified Chinese)
MOONS' SSDC06-EC	https://bit.ly/2GWyL6y (Simplified Chinese)
MOONS' STF06-EC	https://bit.ly/2E3sdjs (Simplified Chinese)
Oriental Motor AZD2A-KED	http://www.orientalmotor.co.jp/products/new/1506driver_az/ (Japanese)

Device	Information
Oriental Motor AZD3A-KED	http://www.orientalmotor.co.jp/products/new/1506driver_az/ (Japanese)
Oriental Motor AZD4A-KED	http://www.orientalmotor.co.jp/products/new/1506driver_az/ (Japanese)
SANMOTION Model No.PB	http://www.sanyodenki.us/contents/product_information/sanmotion/closed_loop_stepping_systems/sanmotion_model_no_pb.html
TPM STP- K121-KIT	http://www.tpm-pac.com/stp-k121
TPM STP_ K121B	http://www.tpm-pac.com/stp-k121

EtherCAT I/O modules

Device	Information
Adaptive Robot Gripper 2-Finger	http://robotiq.com/products/adaptive-robot-gripper/
Advantech ADAM-5000	http://bit.ly/2pwH2SI
Advantech AMAX-4800 Series	http://bit.ly/2iX4yLg
Beckhoff EK1122 EtherCAT junction	https://www.beckhoff.com/EK1122/
Beckhoff EL1xxx	http://bit.ly/2oqx99V
Beckhoff EL2xxx	http://bit.ly/2o8hKKs
Beckhoff EL30xx Beckhoff EL31xx Beckhoff EL32xx	http://bit.ly/1xmoi5c
Beckhoff EL4xxx	http://bit.ly/2pwsbb0
Beckhoff EL5xxx	http://bit.ly/2o9DMf9
Beckhoff EL6001 serial interface RS232	https://bit.ly/2N5W6XT
Beckhoff EL6021 serial interface RS422/RS485	https://bit.ly/2x7SNFA
Beckhoff EL6695 bridge terminal	https://www.beckhoff.com/english.asp?ethercat/el6695.htm
Beckhoff EL7342	https://bit.ly/2A9W6O1

Device	Information
Beckhoff EL9xxx	http://bit.ly/2p9t1hf
Beckhoff BK1120	https://bit.ly/2xbZVQu
Berghof ECC I/O modules	https://bit.ly/2JvuZml
Berghof EtherCAT I/O modules	https://bit.ly/2JvuZml
CKD OPP6 Series	http://www.ckd.co.jp/english/
DECOWELL EC-HH00-C1NN	http://www.wellinkio.com/product/50.html (Simplified Chinese)
dieEntwickler RapidoScan	https://www.rapidoscan.com/
*Hilscher CIFX RE/ECS	https://www.hilscher.com/products/product-groups/pc-cards/
Hitachi EH IOCA	http://www.hitachi.com/
ICPDAS ECAT-2045	http://bit.ly/2pwrRsV
ICPDAS ECAT-2050	http://bit.ly/2o83kdm
ICPDAS ECAT-2051	http://bit.ly/2oBXbZQ
ICPDAS ECAT-2052	http://bit.ly/2o9wMyU
ICPDAS ECAT-2053	http://bit.ly/2o9LMfU
ICPDAS ECAT-2055	http://bit.ly/2o9K3HE
ICPDAS ECAT-2055-32	https://bit.ly/2DYDgvW
ICPDAS ECAT-2060	http://bit.ly/2pwrIFl
Inovance AM600	https://bit.ly/2JI53WM (Simplified Chinese)
Interface PCI-450601	http://www.interface.co.jp/catalog/prdc.asp?name=pci-450601

Device	Information
ITRI PIC32 Slaves	https://www.itri.org.tw/eng/
Kashiyama ECAT01	https://www.kashiyama.com/en/
Leuze bar code scanner BCL 338i	http://bit.ly/2qxSctU
Nagano Oki NOKECW R- IN32M3-EC	http://www.naganooki.co.jp/ems_s/sekkei/ether.html (Japanese)
Nexcom AXE9200	https://bit.ly/2SU2S2t
Nexcom NEIO- B1811/B1812	https://bit.ly/2KdQW7L
Omron GX Remote I/O terminals	http://bit.ly/2oCbjlY
Prima C-101	http://bit.ly/2o9GFwv
Prima C-201	http://bit.ly/2o9GFwv
Prima E-101	http://bit.ly/2o9GFwv
Prima E-201	http://bit.ly/2o9GFwv
R-IN32M3	http://bit.ly/2pwIRPG
Ricoh AP-10A	https://industry.ricoh.com/industrial-pc/AP-10A/ (Japanese)
Syn-Tek ESC 6012	http://www.deltaww.com/default.aspx?hl=en-US
Syn-Tek ESC 70E2	http://www.deltaww.com/default.aspx?hl=en-US
Syn-Tek R1-EC5500	http://www.deltaww.com/default.aspx?hl=en-US
Syn-Tek R1-EC5512	http://www.deltaww.com/default.aspx?hl=en-US
Syn-Tek R1-EC6002	http://www.deltaww.com/default.aspx?hl=en-US
Syn-Tek R1-EC6022	http://www.deltaww.com/default.aspx?hl=en-US

Device	Information
Syn-Tek R1-EC6032	http://www.deltaww.com/default.aspx?hl=en-US
Syn-Tek R1-EC7062	http://www.deltaww.com/default.aspx?hl=en-US
Syn-Tek R1-EC8124	http://www.deltaww.com/default.aspx?hl=en-US
Syn-Tek R1-EC9144	http://www.deltaww.com/default.aspx?hl=en-US
Tem-Tech Lab. ECG-485	http://www.tem-tech.co.jp/en/
Toshiba 4-axis SCARA robot controllers TS3000, TSL3000	https://bit.ly/2C6I4Os (TS3000) https://bit.ly/2C5bM6D (TSL3000)
TPM 207-D240-NX, 207-D204-XN 207-D222-NN, 207-A202F, 207-A202FH, 207-A203F, 207-A204F, 207-A220FID, 207-A220FD	http://www.tpm-pac.com/plugin_modules
TPM 207-D402H	http://www.tpm-pac.com/207-d402-xn_xp

*Yet to be tested.

EtherCAT couplers

EtherCAT couplers can link different modules with them, but only the coupler itself has the EtherCAT capability. These modules don't have the clock synchronization and their polling is slow.

Balluff

Coupler	Information
BNI0077 IO-Link master	https://tinyurl.com/yb8lmtvt

Beckhoff

Coupler	Information
EL6224 IO-Link terminal	https://www.beckhoff.com/english.asp?ethercat/el6224.htm
EL6751 CANopen master terminal	https://www.beckhoff.com/english.asp?ethercat/el6751.htm
EP6224 IO-Link master	https://www.beckhoff.com/english.asp?fieldbus_box/ep6224.htm
EP6228 IO-Link master	https://www.beckhoff.com/english.asp?fieldbus_box/ep6228.htm

Friedrich Lütze

Coupler	Information
LCOS-BC-PN	http://bit.ly/2rxlg24

PHOENIX CONTACT

Coupler	Information
AXL E EC IOL8 DI4 M12 6P	http://bit.ly/2nHBG80
Bus Coupler - AXL F BK EC	http://bit.ly/29xnbuh
IL EC BK-PAC	http://bit.ly/2rkJaI0 (Simplified Chinese)

VIPA

Coupler	Information
VIPA SLIO EtherCAT Coupler	http://www.vipa.com/en/products/io-systems/slio/

WAGO

Coupler	Information
750-354 EtherCAT Fieldbus Coupler	http://bit.ly/2h4vDcu

Weidmüller

Coupler	Information
UR20-4DI-P	http://bit.ly/2rkBT4X
UR20-FBC-EC	http://bit.ly/2qxTtkz
UR67-MP-78-8DIDO-12-60M	http://bit.ly/2pZpVd8

Get support

KINGSTAR offers a number of support options for KINGSTAR users, including third-party, online and phone support.

Third-party support

If you are a customer who purchased a KINGSTAR product through a third-party reseller, contact the reseller for support.

Online support

The KINGSTAR Customer Support web page is located at:

<http://kingstar.com/support/>

The KINGSTAR support web pages provide electronic access to the latest product releases, documentation, and release notes. You can access the online support ticketing system to submit issues or questions.

Before calling technical support

Please have the following information ready before calling KINGSTAR Technical Support:

The version number of your RTX64 and KINGSTAR software

To obtain the RTX64 version number:

1. Click **Start > All Programs > RTX64 3.5 Runtime > Control Panel**.
2. In the **RTX64 3.5 Control Panel**, record **Version** shown in the **Runtime Information** area.

To obtain the KINGSTAR version number:

1. Click **Start > All Programs > KINGSTAR > Runtime**.
2. In **Windows Explorer**, click the `ksm64.rtdll` file, and right-click the same file again.
3. On the shortcut menu, click **Properties**.

4. In the **ksm64.rtdll Properties** window, click the **Details** tab, and record **Product version**.

Phone support

For technical support related to installing and using KINGSTAR, please call technical support at this number:

+886-2-2556-8117

Hours are Monday – Friday from 9:30 to 17:30, UTC+08:00, excluding holidays.