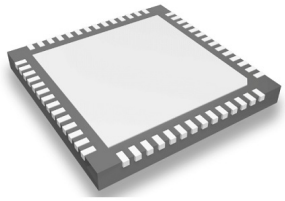
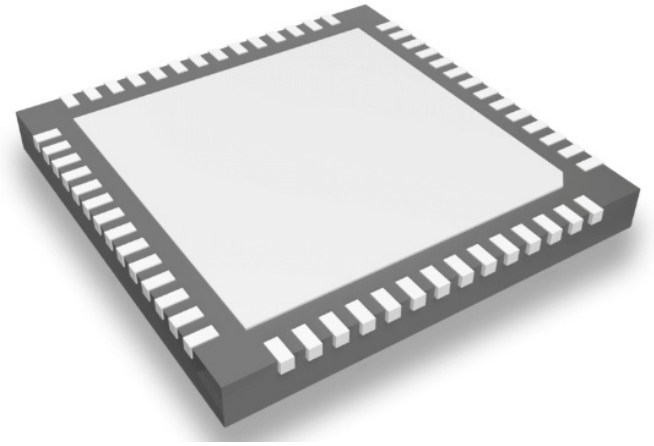


Kinetic KTX9312 3 Phase BLDC Motor Controller User Guide

Contents

1 Kinetic KTX9312 3 Phase BLDC Motor Controller User Guide
2 EVAL Kit Physical Contents
3 User-Supplied Equipment
4 Quick Start Procedures
5 Read More About This Manual & Download PDF:
6 Documents / Resources
6.1 References

Kinetic KTX9312 3 Phase BLDC Motor Controller User Guide



3-phase BLDC Motor Controller for 3-wire with Built-in Gate Drivers

EVAL Kit Physical Contents

Item #	Description	Quantity
1	KTX9312 EVAL Kit fully assembled PCB	1
2	Arduino Nano	1
3	USB 2.0 Type A to Mini B cable	1
4	2 Position Terminal Block Plug, Female Sockets (5.08mm) 180° Free Hanging	1
5	3 Position Terminal Block Plug, Female Sockets (5.08mm) 180° Free Hanging	1
6	Anti-static bag	1
7	KTX9312 EVAL Kit Quick Start Guide — printed 1-page (A4 or US Letter)	1
8	EVAL Kit box	1

QR Links for Documents

IC Landing Page	EVAL Kit Landing Page
https://www.kinet-ic.com/ktx9312	https://www.kinet-ic.com/ktx9312guan-mmev01

User-Supplied Equipment

1. Oscilloscope (20~50A current probe), used to measure phase current, driving PWM signals and FG
2. Tachometer, used to measure the spinning speed of
3. Motor with relative
4. DC power supply (40V/30A).

Quick Start Procedures

1. Connect the power supply to the KTX9312 evaluation board connector
2. Connect the motor wires to
3. Connect the KTX9312 evaluation board to a computer via the USB type-C cable and Arduino Nano which is mounted at the back of the evaluation

4. Install GUI
5. Turn on the power supply to power-up the LED1 is lighted on, indicating that the board is powered up.
6. Launch the GUI software, connect it to the evaluation
7. Load parameters configured excel file or configure the registers for matching the motor/application
8. Select “Run” or “Stop” to run/stop the

Graphical User Interface (GUI)

1. Download and install GUI software located on EVAL Kit
    1. https://www.kinet-ic.com/ktx9312guan-mmev01
2. After installing software, select the available serial port of computer and connect it with KTX9312 evaluation The message of “connected to COM x” will appear in the status box.
3. If a communication failure occurs, please check to ensure that both the power supply and serial port connection are.

Read More About This Manual & Download PDF:

Documents / Resources

	Kinetic KTX9312 3 Phase BLDC Motor Controller [pdf] User Guide KTX9312 3 Phase BLDC Motor Controller, KTX9312, 3 Phase BLDC Motor Controller, BLDC Motor Controller, Motor Controller, Controller

References

- User Manual

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.