

AMIS305XXGEVK: Industrial Stepper Motor Driver Evaluation Kit 305XX Family

Evaluation/Development Tool Description

The plug-and-play EVK-3052x Evaluation Kit contains all necessary hard- and software needed to control the AMIS-305xx and AMIS-304xx microstepping stepping motor driver from your PC. The user-friendly Graphical User Interface (GUI) makes it possible to operate the Evaluation Kit in an easy way. Several GUI modes are provided making it easy-to-use for the first-time user but still very flexible for the more experienced one.

To demonstrate how AMIS-305xx and AMIS-304xx can be used in a real life applications the kit can connect to an external microcontroller board through dedicated headers on the Motherboard. The GUI will guide you through the complete process which makes the Evaluation Kit the ideal learning tool. The provided Motherboard gives a lot of flexibility during your development process. Easy access to several signals makes debugging very easy and gives the possibility to connect the Evaluation Kit with your own application which all reduces the development time.

Evaluation of all AMIS-305xx stepper motor drivers is made very easy by means of separate stamp modules (sold separately).



Orderable Daughterboards:

- AMIS30421DBGEBV
- AMIS30422DBGEBV
- AM305122R1DBGEBV
- AM305212R1DBGEBV
- AM305222R1DBGEBV
- AM305321R1DBGEBV
- AM305421R1DBGEBV
- AMIS30543DBGEBV

System Requirements and Content

Evaluation Kit Content

- Motherboard with connectors, test pins and socket for stamps.
- USB-to-CAN/SPI interface (isolated)
- Two phase stepper motor with connector
- Universal power supply: input 100 - 240V~47-63Hz 0.7A / output 12V= 2A
- Storage box

Minimum System Requirements

- 500MHz Processor
- 128MB RAM
- 30 MB of free disk space (.NET Framework 2.0 not included)
- Windows 2000, XP or Vista

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
AMIS305XXGEVK	Active	Pb-free	Industrial Stepper Motor Driver Evaluation Kit 305XX Family	AMIS30421C4211RG , AMIS30422C422MNTWG , AMIS30512C5122G , AMIS30512C5122RG , AMIS30521C5212G , AMIS30521C5212RG , AMIS30522C5222G , AMIS30522C5222RG , AMIS30532C5321RG , AMIS30542C5421G , AMIS30542C5421RG , AMIS30543C5431RG	Buy Now Contact Local Sales Office Inventory

Technical Documents			
Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	AMIS305XXGEVK Bill of Materials ROHS Compliant	AMIS305XXGEVK_BOM_ROHS.PDF - 189 KB	1
Eval Board: Gerber	AMIS305XXGEVK Gerber Layout Files (Zip Format)	AMIS305XXGEVK_GERBER.ZIP - 614 KB	1
Eval Board: Schematic	AMIS305XXGEVK Schematic	AMIS-305XXGEVK_SCHEMATIC.PDF - 261 KB	1