

Main Features

- Support 32 axes motion control
- Support 4 groups motion
- Support group line interpolation
- Support group circular interpolation
- Provide simulation operation mode
- Provide 3D View function
- Microsoft Windows API
- Powerful Utility: NexMotion Studio

Product Overview

NexGMC (General Motion Control) is developed by NexCOBOT as a powerful motion control software that integrates NexECM and motion control kernels. It can be used for any general machines that are EtherCAT-based motor driven. The NexGMC provides Microsoft Windows APIs for users to develop their own motion control applications and HMI. NexGMC also provides a powerful integrated development environment “NexMotion Studio”, which users can use to easily configure EtherCAT slaves and motion axes or group axes (ex: XY table) parameters.

Specifications

Realtime OS

- INtime

Supported Axis No.

- Up to 32 axes

Supported Group No.

- Up to 4 groups

Single Axis Motion

- PTP, Jog, Halt, Stop, Speed/ACC/DEC override, blending

Group Motion

- PTP, Linear, Circular, Speed/ACC/DEC override, blending

Supported Group Types

- Cartesian coordinates machine (XY, XYZ table, XYZ&θ)

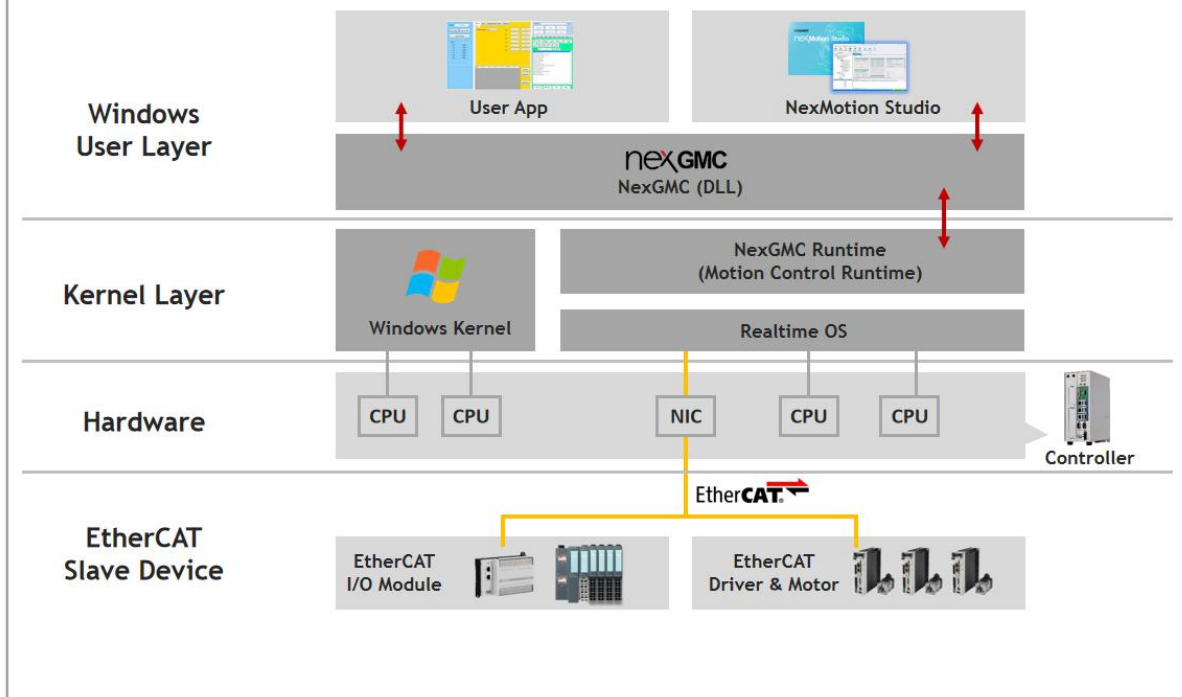
Example

- VC/C#

Powerful Utility

- NexMotion Studio
- EtherCAT devices offline edit and online scan
- EtherCAT master configuration
- PDO mapping edit
- Online SDO edit
- Export ENI
- CiA 402 device operation: PP/PV/PT/CSP
- Single axis edit and operation
- Group axes edit and operation
- I/O mapping edit and operation
- Provide simulation operation mode

Software Architecture



Ordering Information

NexGMC (P/N:98ROBO000005F)

NexGMC-32 Axes Realtime Software