

Main Features

- Support SCARA robot
- Robot group control functions: PTP/Line/3D arc
- Support extension single-axis control up to 16 axes
- Provide simulation/operation mode
- Provide 3D View function
- Provide windows APIs for user programming
- Support programming language: C\C++, C#, VB.Net
- Powerful Utility: NexMotion Studio

Product Overview

NexGRC-SC not only supports SCARA robot but also supports extension single axis control up to 16 axes. NexGRC-SC also provides TPUI (teach pendant HMI) for users directly control their robot. The NexGRC-SC provides a powerful integrated development environment “NexMotion Studio”, which users can use to easily configure EtherCAT slaves and motion axes or group axes parameters.

Specifications

Realtime OS

- INtime

Supported Axis No.

- Up to 16 axes

Supported Group No.

- Up to 1 group

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, SCARA

Example

- VC\C#

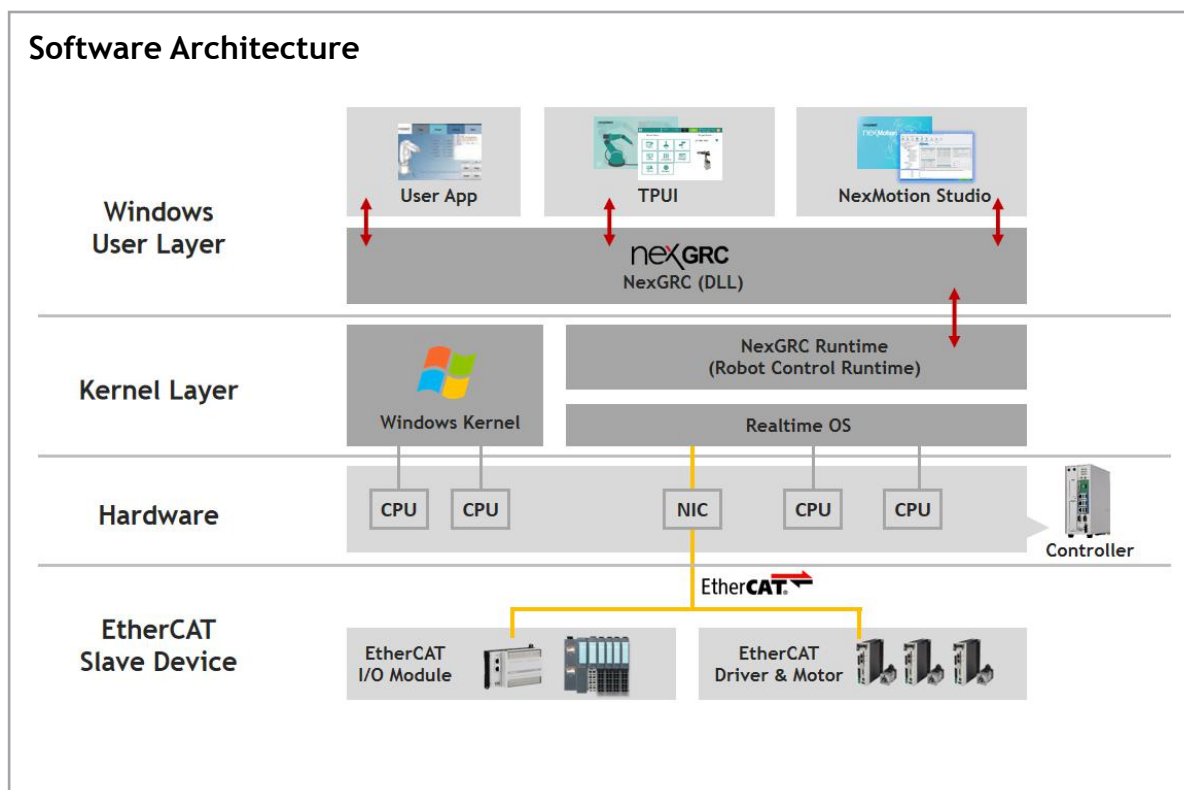
TPUI (Teach Pendant HMI)

- Including

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

NexGRC-SC (P/N:98ROBO000008F)

NexGRC for SCARA Realtime Software (include TPUI)