

## 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

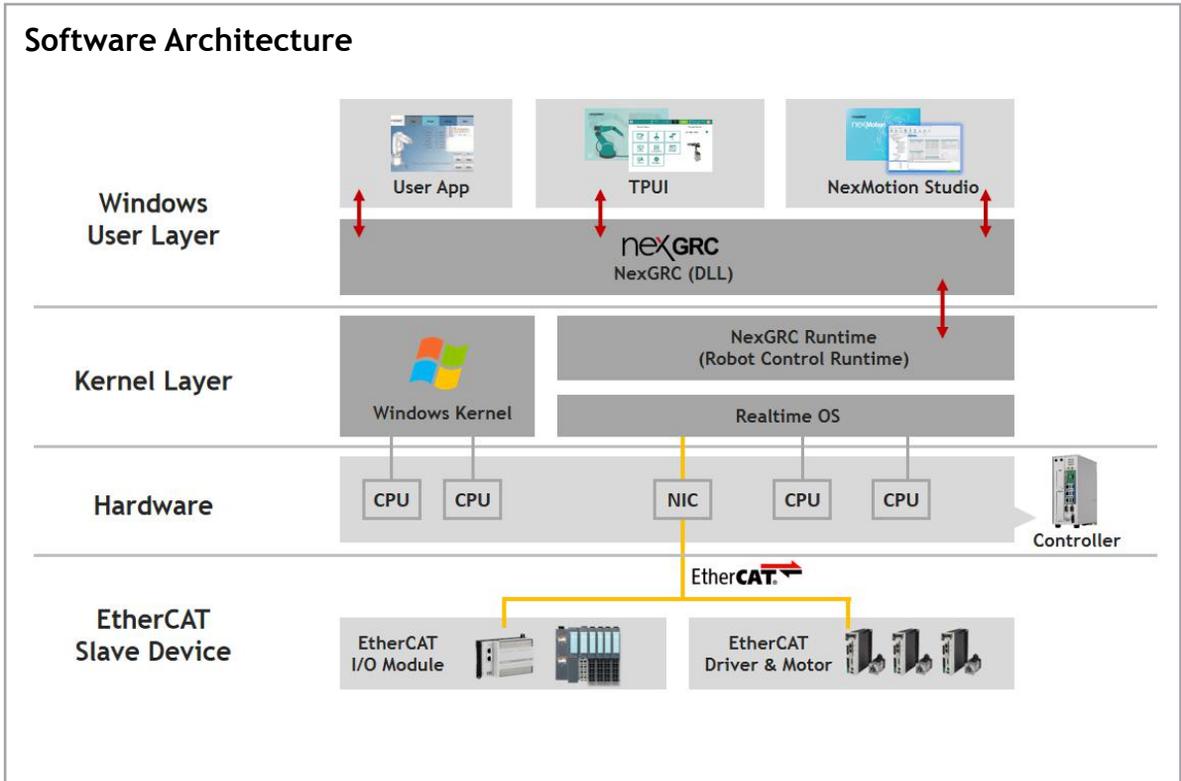
- VC\C#

### 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



### Ordering Information

#### NexGRC-SC (P/N:98ROBO000008F)

NexGRC for SCARA Realtime Software (include TPUI)