Intelligent Integration with Innovation

Programmable Logic Controller
PLC RGE5032

智能整合・進化革新
Intelligent Integration with Innovation
Programmable Logic Controller
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PLC RGE5032 is a combination of a variety of industrial applications. With all the major communications built-in, the BEST PLC EVER has come to fulfil all your needs. It provides multiple interfaces, digital analog input and output to meet your various automated applications. Built-in pulse input, pulse output and PWM function reduce the cost of hardware planning and quickly build an automated machine.

- **Features**
  - High-speed computing power
    - 1GHz CPU
    - 4 coprocessors 200MHz
    - Command Speed 1ns
  - Storage space
    - Program Memory 20MB
    - Work Memory 100MB
    - Power-off Holding 4MB
  - EtherCAT control
    - SoftMotion
    - EtherCAT
  - Enhanced Communication Support
    - EtherNet
    - EtherCAT
    - OPCUA
    - Modbus TCP/ RTU (485)
  - Supports up to 16-axis
    - SoftMotion

- **Dimensions**

<table>
<thead>
<tr>
<th>Product name</th>
<th>RGE 5032</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions W x H x D (mm)</td>
<td>180 x 90 x 84</td>
</tr>
<tr>
<td>rail size (mm)</td>
<td>35</td>
</tr>
</tbody>
</table>

For detailed technical information, please refer to catalogue, user manual.
### Definition

**RGE 5 0 32-01-01**

- 01:1 , Model name : RGE
- 02:2
- 03:3
- 0: 24V
- 1: 110/220V
- 01: EtherCAT+Motion(builtin IO)
- 02: EtherCAT
- 03: Motion
- 32: IO points 32
- 0: Master
- Others: I/O Module
- 1: 1000 series
- 5: 5000 series
- 3: 3000 series
- 7: 7000 series

### Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>content</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGE_ _ _- 01-01</td>
<td>5032</td>
</tr>
<tr>
<td>CPU Main frequency</td>
<td>1GHz</td>
</tr>
<tr>
<td>Coprocessor frequency</td>
<td>200MHz</td>
</tr>
<tr>
<td>Coprocessor number</td>
<td>4</td>
</tr>
<tr>
<td>Program Memory</td>
<td>20MB</td>
</tr>
<tr>
<td>RAM</td>
<td>512MB</td>
</tr>
<tr>
<td>Work Memory</td>
<td>100MB</td>
</tr>
<tr>
<td>Power-off Holding</td>
<td>4MB</td>
</tr>
<tr>
<td>eMMC</td>
<td>8GB</td>
</tr>
<tr>
<td>Program language</td>
<td>LD /ST /IL /SFC /FBD /CFC</td>
</tr>
<tr>
<td>Number of executable tasks</td>
<td>32</td>
</tr>
<tr>
<td>Task cycle</td>
<td>1ms</td>
</tr>
<tr>
<td>Input power</td>
<td>24VDC</td>
</tr>
<tr>
<td>Digital input points</td>
<td>16 / two-way</td>
</tr>
<tr>
<td>Digital output points</td>
<td>16 / NPN</td>
</tr>
<tr>
<td>Analog input points</td>
<td>2 / Voltage(0~10V)</td>
</tr>
<tr>
<td>Analog output points</td>
<td>1 / Current(0~24mA)</td>
</tr>
<tr>
<td>Pulse input</td>
<td>4 Series / 200KHz</td>
</tr>
<tr>
<td>Pulse output</td>
<td>4 Series / 200KHz</td>
</tr>
<tr>
<td>PWM</td>
<td>4 Points / 100KHz</td>
</tr>
</tbody>
</table>

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### Fieldbus Motion Control

- Even the most basic point-to-point motion control complies with PLCopen standard.
- Provides synchronize motion controls including eGear.
- Simple NC allows G-code and DXF file import.
- Provides robot Function Block. Run the robot control by just inputting mechanical parameters. Cartesian coordinate system, Polar coordinate system, SCARA, delta robot, 4 to 6 axes of serial robot arm.

### Familiar Software

- All editors of the IEC 61131-3 (FBD, LD, IL, ST, SFC) plus different variants of the standard editors.
- Compatible with CODESYS V3
- Supports LD and in-line ST.

### PLC Applications

- Industrial automation control
- Intelligent green building
- Machine processing control
- Production line control
- Robotic arm control