**PC Based Fine Motion**

**RTMC64-EC**

### Features

- **PC Based Fine Motion** is a controller software for EtherCAT.
- Your PC becomes a high performance motion controller. PC Based Fine Motion has a multi-axis system, which allows you to control 8 machines with one PC.
- Reliability of your controller can be improved by "INtime" and FAPC (Factory Automation PC).

### Specification

- **High-speed**: 0.5 msec / 64-Axis
- **Multi Axis Control**: 64-Axis / 8 task
- **Reliability**: Not depend on Windows
- **PLC/Image processing**: Coordinate Measuring Machine
- **Batch control**: Control multiple machines such as precision cutting, robot, molding, injection, deburring.
- **Abundant motions**: Fully equipped motion functions, 0.5 msec / 8 machines
- **Precision cutting**: High-speed Pc Based Fine Motion easily cooperate with various software
- **Bending Robot**: One PC controls 8 machines
- **Jointed Robot**: High reliability by INtime, Not depending on Windows
- **Servo Press**: Make user enable to control precise machines without special knowledge
- **SCARA Robot**: Windows

### Application Sample

- Precision cutting
- Robot
- Laser cutting
- Injection Molding
- Winding machine

### System Configuration

**FAPC** (Factory Automation PC)

- **PC application**: Precision cutting - Winding machine - Robot - Injection molding
- **C Language**: Advanced machine control
- **Software PLC**: ProContOS
- **EtherCAT**: Master Stack

**INtime**

- **Core i7**: Windows
- **Multi axis servo drive/motor**: Htype/Io/DA/AD

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**RTPL-EC**

### Features

- **RTPL-EC** is a motion development software for EtherCAT.
- In-house development of motion controller by C language with Visual Studio.
- Sample sources are prepared.
- High-speed performance with an efficient CPU. (0.25 msec/8-axis 0.5 msec/16-axis 1 msec/32-axis 2 msec/64-axis)
- High reliability by INtime, not depending on Windows. / High reliability by FAPC (Fanless/SSD).
- Easily operate from an application software on Windows.
- Easily cooperate with software such as image processing.

### Specification

- **Example of Function Call Flow**
  - **Library Initialization**: RtpRECTInitializeLib();
  - **Library Close**: RtpRECTCloseLib();
  - **Wait for Response**: RtpRECTWaitRes();
  - **Monitor Status**: RtpRECTGetStatus();
  - ** PDO Write**: RtpRECTSetPDO();
  - ** PDO Read**: RtpRECTGetPDO();
  - ** PDO Stop**: RtpECTStopPDO();

- **Application Sample**
  - Semiconductor-fabrication equipment
  - Electronic equipment production line
  - Other multi axis control devices

### System Configuration

- **User development**: Techno
- **Purchase separately**: Purchase Hardware separately

### Sales area and Language

- **User control software**: for motion
- **FAPC**: C language

**Contact**

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**For more information**

- PC Based Fine Motion URL: [http://www.open-mc.com/products/pdtd05.html](http://www.open-mc.com/products/pdtd05.html)
- PC Based Motion Library URL: [http://www.open-mc.com/products/pdtd06.html](http://www.open-mc.com/products/pdtd06.html)
- INtime URL: [http://www.mnc.co.jp/inintime/](http://www.mnc.co.jp/inintime/)

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Please contact the following address for details.