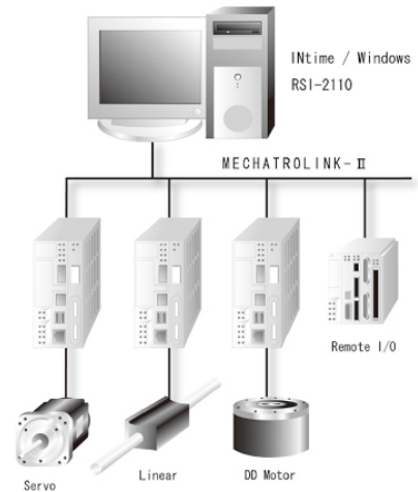


Features

RSI-2110 is a driver software for INtime (Real-time extension for Windows) of the motion controller (MP2110/MP2110M) made by YASKAWA. MP2110/MP2110M are the motion controller built-in the PCI/Compact PCI bus of the host computer. It can control the drive equipment and the I/O equipment at high speed via MECHATROLINK- II network.

- Super-high precision and advanced high-speed motion control Controlling position, speed and torque with high accuracy of synchronization are capable with the MECHATROLINK- II network. Online switching of control mode is available and complex machine behaviour can be realized.
- Powerful motion-control functions
 More than 40 of motion-control APIs in C language help users to create an application program.
- High extensibility
 MP2110 can control maximum 21 stations whereas MP2110M can do maximum 42. It is flexible to choose out the stations and decide how many axes to use for servo or I/O.
- Work on INtime (Realtime OS)
 By combination with INtime, a deterministic hard-realtime capability is capable on a personal computer system.



Specifications

| Item | Specifications | |
|------------------------|---|---------|
| | MP2110 | MP2110M |
| FieldNetwork | MECHATROLINK- I / MECHATROLINK- II | |
| Channels | 1 | 2 |
| Number of control axis | each 21 channels (Servo axis or I/O) | |
| Control performance | Each cannel 6 axes/0.5ms (Communication cycle) 15 axes/1ms (Communication cycle) 21 axes/2ms (Communication cycle) | |
| Local DIO | Digital Input 5 channels, Digital Output 4 channels | |
| Connectable equipment | Servo, Linear, DDmotor, Inverter, other various I/O | |

MECHATROLINK specifications

| | | M- I | M- II | |
|--------------------|------------------------|---------|-----------------|---------|
| | | 17-byte | 17-byte | 32-byte |
| Command | Servo | × | × | × |
| | Stepping Motor Drivers | × | × | × |
| | Intelligent I/O | × | × | × |
| | Simple I/O | × | × | × |
| | Inverter | × | × | × |
| Transmission cycle | | 2ms | 0.5ms, 1ms, 2ms | |

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