Manufacturer/ Distributor: Prime Motion® **Prime Motion Inc.**

Multi PLC Direct Connection 40-axis Motion Controller

"InterMotion" Series JOY-AMXR-P8 Including PLC (Using a C-like Language)

Features

- Directly connectable to Mitsubishi PLC (CPU with Ethernet: e.g. Q03UDECPU). Reference to the CPU D register in accordance with MC Protocol.
- Directly connectable to Keyence PLC KV-5000. Reference to the CPU D register in accordance with MC Protocol.
- Directly connectable to OMRON PLC (CPU with Ethernet: e.g.CJ1M-CPU11-ETN). Reference to CPU the Data Memory in accordance with FINS commands.
- Can be directly connected to Panasonic PLC (FP7, GM1). See data memory in MC protocol.
- Real-time logging such as 1 ms sampling position field data is possible on a Windows PC.
- Control with the .NET Framework interface on a Windows PC with Ethernet is possible.
- Position command generation and DIN/DOUT scan controls with the cycle time of 1ms.
- Series model: RTEX64 axis "JOY-AMXG64". RTEX32 axis "JOY-AMXG32".
  RTEX 16 axis "JOY-AMX G16".
  RTEX 32-axis + pulse train 8-axis control "JOY-AMXG40P8". *
  RTEX 16-axis + pulse train 8-axis control "JOY-AMXG24P8". *

* Scheduled to acquire the KC mark

Specification

Item	Description
No. of control axes	40 axes. 32-axis RTEX interface. 8-axis 10 Mpps pulse train position command.
Controlling method	Independent PTP control for each axis. Max. 8-axis synchronized PTP control. Linear interpolation, 2-axis arc interpolation, 3-axis spiral interpolation. 32-bit length.
Internal control program development	Control program can be developed using the C-like multiprocessing machine control language "MOS language." Motion control, IO control, communication control, and sequence control are possible. "MOS Bench AM" is required as a development environment.
Accessory IO	±CW/±CCW pulse output, ±A/±B/±Z input. Servo on, reset output. ±OT, alarm input. (The above-mentioned items are for 8 axes.) General-purpose IN 8 points. General-purpose OUT 8 points. Non-insulated RS232-1ch. Insulated RS485-1ch.
Optional functions	Camera trigger function using ±A/±B input counter and general-purpose OUT.
Optional devices	Non-insulated RS232-1ch. Insulated RS485-1ch. 192IN, 192OUT are available by adding 6 general-purpose 32/32 IO boards. Non-insulated RS232-6ch is available using a RS232C extender board.

PCIExpress-40-axis Motion Control Board, PCI-40-axis Motion Control Board

"RT40PRE", "RT40PR" Including PLC (Using a C-like Language)

Features

- Max. 40 axes: 32-axis RTEX Interface and 10Mpps pulse train position command for 8 axes.
- Synchronization of axes controlled by RTEX and those controlled by pulse train output is possible.
- Windows Real-time software PLC using the C-like multiprocessing machine control language "MOS language."
- Windows10 IoT Enterprise LTSB High End is supported.
- DIN, DOUT, AD, DA, RS232, and RS485 can be controlled in real time as well as motion control boards.

General Purpose 32/32 Input/Output Board

InterMotion Series JOY-RIO3232

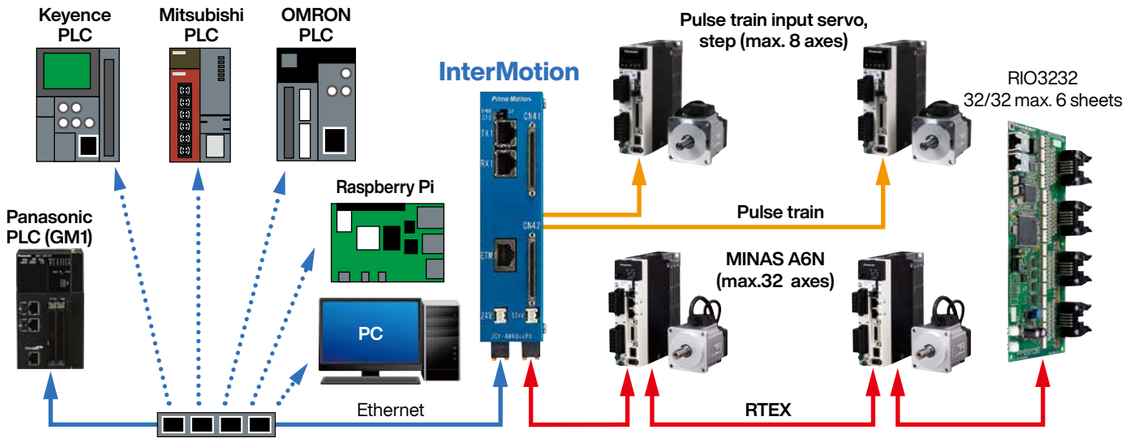
Features

- Single board with 32 IN points and 32 OUT points
- 10 PIN connector for 8-point IN and 8-point OUT. Can be directly connected to terminal block PRS-DG10-O8 (TOYOGIKEN Co., Ltd).
- 24 V DC supply

Specification

Item	Description
Input	32 points (8 points × 4 ports), 24 VDC, 4.7 kΩ
Output	32 points (8 points × 4 ports), 24 VDC, 100 mA
Max. No. of connectable boards	6 (IN 192 points, OUT 192 points)

System Configuration



Sales area

● Japan ● China ● Taiwan ● Korea

Language

● Japanese

For more information

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RTEX