SOLUTIONS IN MOTION®

TOP REASONS TO BUY

- Promotes faster application development with unified controls architecture for robot and other equipment in same RSLogix™ 5000 programming environment
- Ease of use and maintenance friendly systems with widely accepted familiar ControlLogix platform
- Available for a wide range of Motoman robots for assembly, picking, packing and palletizing applications
- Promotes ownership of the system with easily available Yaskawa and Allen Bradley parts, tight integration of components and elimination of redundant interfaces

MLX100 ROBOT GATEWAY

The MLX100 Robot Gateway provides a unified controls platform to program and control Motoman® robots and peripheral equipment in the widely accepted Rockwell ControlLogix® environment.

- The MLX100 Robot Gateway tightly integrates proven industrial Motoman robots with the widely accepted Rockwell ControlLogix programmable controllers.
- Complete robot kinematics solution for coordinated motion of 4-, 5-, 6- and 7-axis robots targeted for assembly, kitting, packing and palletizing applications ranging from 5 kg to 300 kg payload.
- Single MLX100 Robot Gateway module can control and program up to two robots in the same workcell making complex application development easy.
- The robot gateway module, packed with robot kinematics and control, plugs into the ControlLogix Programmable Automation Controller (PAC) chassis and communicates directly with the PLC over the backplane for faster data exchange and robot control.
- Available with MH5S, MH5LS, SIA20D, MPK50, MPL80, MPL160 and MPL300 robot models (other models as requested).
- Unified architecture promotes ease of use through single programming interface for robot and peripheral equipment control which leads to better resource utilization.
- Panel mounted robot drives can be easily assembled into the main control cabinet promoting efficient use of floorspace, elimination of redundant hardware and interfaces, and ease of maintenance.
- Drives panel enables users to specify enclosure material and IP rating for the application.
- Ease of troubleshooting and maintenance with familiar Rockwell platform.
- Conveyor tracking option simplifies applications that require tracking and coordination with moving parts or product.
- Simulation (MLX-Sim) and development software package (MLX-D) available.
MLX100 ROBOT GATEWAY

Yaskawa Motoman
MLX100 robot gateway module contains articulated arm kinematics and operation controls for supported robots
HMI for robot control screens are designed in FactoryTalk View for display on PanelView or PC
ANSI/RIA 15.06-1999 Safety standard compliant design features dual channel e-stop with user connections, soft limit configuration, cubical interference zones, and brake release
Minimum Requirements
• ControlLogix Processor – 1756-L71
• RSLogix 5000 v20
• FactoryTalk® View Machine Edition 6.1 or higher
• Panel voltage – 230 VAC 3 phase

MLX100 ROBOT GATEWAY SPECIFICATIONS

- Safe Hardware
- Dual-Channel Emergency Stop Interface
- Collision Detection
- External sensor required
- Machine Lock
- Not available

- Optional Pendant

- Pendant Dimensions
  - 259 (w) x 232 (h) x 55 (d) (10.2" x 9.1" x 2.2")
- Pendant Display
  - 7.5 TFT color touch screen
- Pendant Language
  - English
- Pendant Weight
  - 1.2 kg (2.6 lbs.)
- Coordinate System
  - Joint, Cartesian, tool, user
- Protection Rating
  - IP65
- Memory
  - 12.5 MB

* Maximum size shown. See robot data sheets for specific robot information.
** Regenerative resistor is a separate assembly that is designed for mounting to the enclosure.

MLX-controlled robots include the MLX100 Robot Gateway, drive panel, robot interface cables and manipulator.

www.motoman.com

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