

COMIZOA

COMI-LX530 (MECHATROLINK-III)

Features

- PCI based Motion control board for YASKAWA's Field Network, MECHATROLINK-III
- Synchronized control of maximum 16 axes
- Transfer Speed: 100Mbps (Ethernet Physical Layer technology)
- Control Interval: 1ms
- Machine I/O: LTC, EMG, ORG, EL, ALM
- Isolation of between Machine I/O and MECHATROLINK-III Communication line



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Specifications

Item	Specifications
Control Method	Motion control with MECHATROLINK-III using position, speed, and torque references Absolute Encoder.
Number of Controlled Axes	16 axes max.
Applicable Servo Drivers	In YASKAWA's Servo Driver Σ -V Series (SGDV) SGDV-□□□□21□ (Rotational Servo Driver) and SGDV-□□□□25□ (Linear Servo Driver)
Motion Commands	Positioning, linear interpolation, circular interpolation, zero-point return, skip, spline interpolation, helical interpolation
Speed Profile	Trapezoidal / S-Curve / Constant Acceleration & Deceleration profile.
Single Axes Motion Function	Jog Move Point to Point motion
Interpolation Feed Speed	Linear interpolation (max. 16axes) Circular interpolation (max. 2axes) Spline interpolation Helical interpolation
Override Function	Speed & Position Override
Functions call elapsed time (avr.)	100 μ s or less
Advanced Motion	List Motion using memory registers.

MECHATROLINK specifications

		M-III			
		16-byte	32-byte	48-byte	64-byte
Profile	Standard servo	-	×	-	-
	Standard I/O	-	-	-	-
	Standard Stepping Motor Drivers	-	-	-	-
	Standard Inverter	-	-	-	-
Transmission cycle		0.5s, to 1ms			

Contact Information

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