

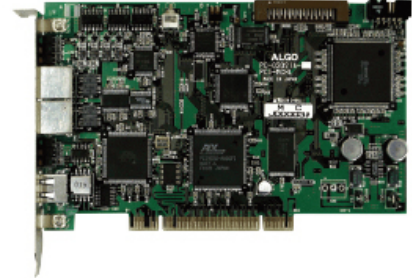
ALGOSYSTEM CO.,LTD.

A-LINK V2.0 + MECHATROLINK- II

Dual-field-bus-master PCI Board

Features

- The both of A-Link and MECHATROLINK-II capabilities fabricated on a half-height PCI board.
- Further less-wiring in equipment.
- Distributed High-speed Control
 - allows 2016 I/O points maximum with 0.96ms high speed scanning on A-Link and 16-axis with 2ms or 30-axis 4ms control on MECHATROLINK- II simultaneously.
- Just a board can control maximum 30 axes servo-driver units or manage maximum 15 axes independent linear interpolation motion, positioning and changing speed/destination after moving (except interpolated axis).
- Embedding bundled software makes it possible to realize applications easier on PC platforms.



PCILM01-0

Specifications

Network	A-Link	MECHATROLINK- II
Transmission Speed	6 or 12 Mbps	10 Mbps
Maximum Transmission Length	200 m (6 Mbps) or 100 m (12 Mbps) - extension available with HUB	50 m - 50 m maximum with repeater
Available Nodes	63 slave nodes maximum	15 slave nodes max. or 30 max. with repeater
Connection (Transmission Cable)	Multi-drop type (pulse transformer isolated) – specific shielded cable (i.e. shielded Ethernet cable equal or more than category-3)	Multi-drop type (pulse transformer isolated) – MECHATROLINK- II specific cable (i.e. shielded and twisted-pair cable with characteristic impedance 130 ohm)
Maximum I/O points	2016 points (1008 for input and 1008 for output)	N/A
Transmission Cycle-time	Full-duplex: 0.955 ms / 2016 points (63 nodes / 12 Mbps) Half-duplex: 1.859 ms / 2016 points (63 nodes / 12 Mbps)	1 ms (LT or EQ 6 axes), 2 ms (7-16 axes), 4 ms (17-30 axes) Note: repeater required for 15 or more axes.

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			1ms, 2ms, 4ms	

Contact Information

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