

GUC-L3 Series Embedded Motion Controller

Applicable Fields

PCB industry, Engraving machines, CNCs, Cutting equipments such as Plasma Cutting, Flame Cutting, Dispenser Machine, laser applications, etc,

Specifications



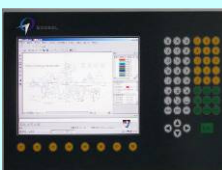

Industrial PC	<ul style="list-style-type: none">·CPU(Selectable): (M01) 600MHz (M02) 1GHz·RAM: 256M·Display: VGA、HMI·Hard Drive(Selectable): DOM:1G, 2G, 4G, Hardisk:80G, 120G·USB2.0 X 2·Keyboard Mouse: PS/2·RS232 X 1·Network: RTL8139, 10M/100M <p>Operating System(Selectable)</p> <ul style="list-style-type: none">·DOS (Recommend 1G DOM)·WinCE (Recommend 1G DOM)·Windows XP (Recommend 4G DOM)
Motion Control	<ul style="list-style-type: none">➢ Total 4 Axes motors control, for each axis:<ul style="list-style-type: none">➢ Pulse Output, Max Frequency: 1MHZ➢ Analog Output(ESV model only): -10V ~ +10V; Accuracy: 16 Bits➢ Encoder Feedback Channel➢ Home and Index Hardware Capture➢ Limit Sensors for Positive and Negative, Servo Alarm➢ Motion Control Functions:<ul style="list-style-type: none">➢ Linear Interpolation, Circular Interpolation➢ Methods of Interpolation: Immediately Interpolation, Buffered Interpolation➢ Velocity Look-Ahead Function: Small Segments Velocity Profile Optimization➢ Open Loop, Close Loop(ESV model only)➢ Local IO Management in Buffer, Delay Motion Function➢ Cut Following Function(Optional)➢ Spiral Interpolation(Optional)➢ Backlash Compensation and Pitch Compensation(Optional)➢ Gantry Control Function(Optional)
Extension	<ul style="list-style-type: none">➢ Digital IO Module, AD/DA Module➢ Googol Technology's HMI
Working Environment	<ul style="list-style-type: none">·Temperature: 0~55℃·Humidity: 5%~90%
Power	·+18V- +36V ,Icc=3A MAX
Dimension (GUC)	·296mm×160mm×75mm
Dimension (IO Board)	·160mm × 108mm

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Ordering Guide

Item	Description	Model No.	No./Length
Standard Package	Stand-Alone Motion Controller	GUC-400-ESV-M01-L3	1
		GUC-400-ESG-M01-L3	
		GUC-400-ESV-M02-L3	
		GUC-400-ESG-M02-L3	
	IO Board	T4AIO-TESTIO-G2	1
	Cable	ACC3-A1-062015	2/1.5m

Optional Accessories

Cables	Controller to Terminal Board	ACC3-A1-062005	0.5m
		ACC3-A1-062030	3.0m
Cable for Motor Drive	Terminal Board to Drive (suitable for Panasonic MINUS A Series)	ACC5-D01005	0.5m
		ACC5-D01010	1.0m
		ACC5-D01015	1.5m
HMI		12'HMI ACC6-PN5-T15-K8	
		15'HMI ACC6-PN5-T15-K16	
		15'HMI ACC6-PN5-T15-K61	
IO Module	Digital IO Module	ACC-S1616D	
	Analog IO Module	ACC-S0208A	
		ACC-S0408A	

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