



# GUC-L2 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



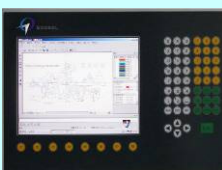

<b>Industrial PC</b>	<ul style="list-style-type: none"> <li>·CPU(Selectable): (M01) 600MHz (M02) 1GHz</li> <li>·RAM: 256M</li> <li>·Display: VGA、HMI</li> <li>·Hard Drive(Selectable): DOM:1G, 2G, 4G, Hardisk:80G, 120G</li> <li>·USB2.0 X 2</li> <li>·Keyboard Mouse: PS/2</li> <li>·RS232 X 1</li> <li>·Network: RTL8139, 10M/100M</li> </ul> <p><b>Operating System(Selectable)</b></p> <ul style="list-style-type: none"> <li>·DOS (Recommend 1G DOM)</li> <li>·WinCE (Recommend 1G DOM)</li> <li>·Windows XP (Recommend 4G DOM)</li> </ul>
<b>Motion Control</b>	<ul style="list-style-type: none"> <li>➤ <b>Total 4 Axes motors control, for each axis:</b> <ul style="list-style-type: none"> <li>➤ Pulse Output, Max Frequency: 1MHZ</li> <li>➤ Analog Output(ESV model only): -10V ~ +10V; Accuracy: 16 Bits</li> <li>➤ Encoder Feedback Channel</li> <li>➤ Home and Index Hardware Capture</li> <li>➤ Limit Sensors for Positive and Negative, Servo Alarm</li> </ul> </li> <li>➤ <b>Motion Control Functions:</b> <ul style="list-style-type: none"> <li>➤ Linear Interpolation, Circular Interpolation</li> <li>➤ Methods of Interpolation: Immediately Interpolation, Buffered Interpolation</li> <li>➤ Velocity Look-Ahead Function: Small Segments Velocity Profile Optimization</li> <li>➤ Open Loop, Close Loop(ESV model only)</li> <li>➤ Local IO Management in Buffer, Delay Motion Function</li> <li>➤ Cut Following Function(Optional)</li> <li>➤ Spiral Interpolation(Optional)</li> <li>➤ Backlash Compensation and Pitch Compensation(Optional)</li> <li>➤ Gantry Control Function(Optional)</li> </ul> </li> </ul>
<b>Extension</b>	<ul style="list-style-type: none"> <li>➤ Digital IO Module, AD/DA Module</li> <li>➤ Googol Technology's HMI</li> </ul>
<b>Working Environment</b>	<ul style="list-style-type: none"> <li>·Temperature: 0~55℃</li> <li>·Humidity: 5%~90%</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>·+18V- +36V ,Icc=3A MAX</li> </ul>
<b>Dimension (GUC)</b>	<ul style="list-style-type: none"> <li>·296mm×160mm×75mm</li> </ul>
<b>Dimension (Terminal Board)</b>	<ul style="list-style-type: none"> <li>·262mm•150mm</li> </ul>

# GUC-L2 Series Embedded Motion Controller

## Ordering Guide

Item	Description	Model No.	No./Length
Standard Package	Stand-Alone Motion Controller	GUC-400-ESV-M01-L2	1
		GUC-400-ESG-M01-L2	
		GUC-400-ESV-M02-L2	
		GUC-400-ESG-M02-L2	
	Terminal Board	GC2-400-ACC2-G	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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