

# MOTION CONTROLLERS & POSITIONING MODULES

## MOTION CONTROLLERS

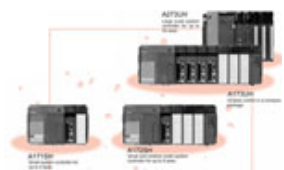
### INTRODUCTION

[A171SH](#) ( Small system controller for up to 4 axes )


[A172SH](#) ( Small and medium scale system controller for up to 8 axes )


[A173UH](#) ( 32 axes control in a compact package )


[A273UH](#) ( Large scale system controller for up to 32 axes )

<b>MOTION CONTROLLER</b>	
<p>Powerful, high speed motion controllers for up to 32 axes using SSCNET.</p> <p>Dual programmable controller and motion controller in one CPU unit architecture makes this a wide purpose controller even for high precision multi-axis synchronous applications.</p>	
<p>Unique environment creates superior motion control.</p> <p>Mitsubishi motion controllers for controlling up to 32 servo axes</p> <p>Reduced wiring and easy connections</p> <p>Simple and flexible system</p> <p>Wide range of applications from simple axis positioning to large, complex equipment requiring multiple axis coordination and synchronization.</p>	

### MOTION CPU

<p><b>A171SH</b></p> <p>A motion controlling function for up to 4 axes in a compact body, better the cost performance.</p>	
Number of control axes	Max 4
Sequencer CPU	A2SHCPU equivalent
Number of I/O points	512 points
Sequence program capacity	14k steps
Processing speed (sequence command)	0.25 μs/step
Servo program capacity	13k steps
Servo amp	External servo amp 50W to 55kW
Network	MELSECNET / II /B, CC-Link MELSECNET /10(local only)
Sequence extension base unit	Max 1 base unit

<p><b>A172SH</b></p> <p>A motion controlling function for up to 8 axes integrated with an A2SHCPU with more I/O points and memory capacity providing high performance at a low-cost.</p>	
Number of control axes	Max 8
Sequencer CPU	A2SHCPU memory, I/O increase equivalent
Number of I/O points	1024 points
Sequence program capacity	30k steps
Processing speed (sequence command)	0.25 μs/step
Servo program capacity	13k steps
Servo amp	External servo amp 50W to 55kW
Network	MELSECNET II /B, CC-Link MELSECNET /10(local only)
Sequence extension base unit	Max 1 base unit

<p><b>A173UH</b></p> <p>The motion controller integrates motion control for up to 32 axes and the sequence control of the A3UCPU equivalent into a compact body of the small building-block type unit.</p>	
Number of control axes	Max 32
Sequencer CPU	A3UCPU equivalent
Number of I/O points	2048 points
Sequence program capacity	30k steps X 2
Processing speed (sequence command)	0.15 μs/step
Servo program capacity	14k steps
Servo amp	External servo amp 50W to 55kW
Network	MELSECNET II /B/10, CC-Link
Sequence extension base unit	Max 1 base unit

## A273UH

A large scale system for up to 32 axes with an extension base which can connect up to 12 base units (motion extension is available up to 4 units, sequence extension is available up to 7 units).



Number of control axes	Max 32
Sequencer CPU	A3UCPU equivalent
Number of I/O points	2048 points
Sequence program capacity	30k steps X 2
Processing speed (sequence command)	0.15 $\mu$ s/step
Servo program capacity	14k steps
Servo amp	External servo amp 50W to 55kW
Network	MELSECNET II /B/10, CC-Link
Motion extension base unit	Max 4 base unit
Sequence extension base unit	Max 7 base unit