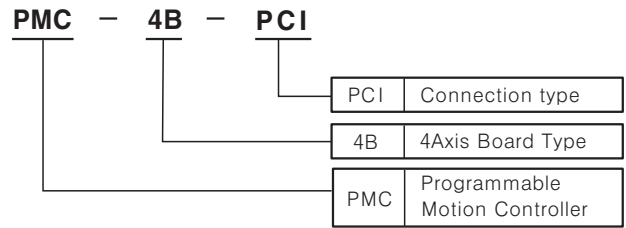
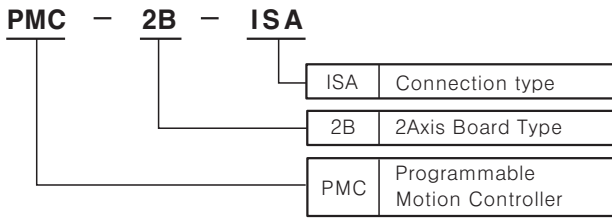


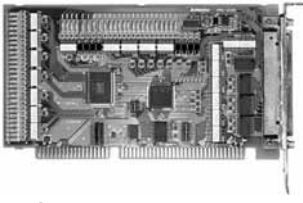
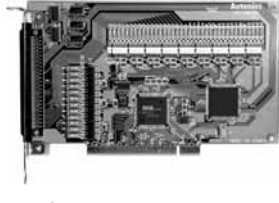
Selection Guide

2/4-AXIS BOARD TYPE MOTION CONTROLLER

Ordering information

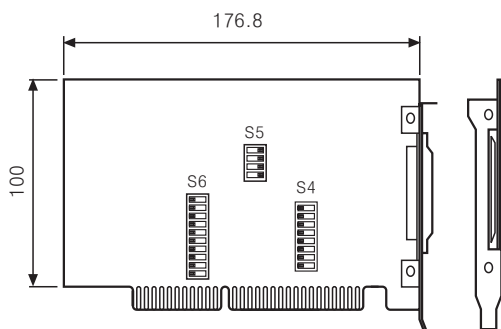


Specifications

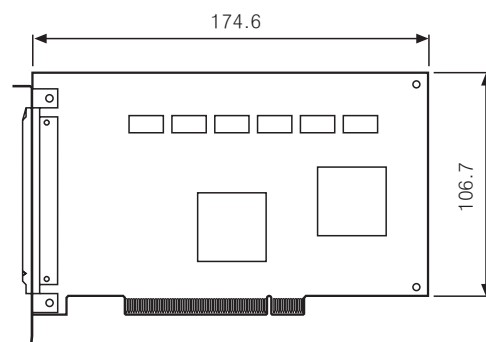
Model	PMC-2B-ISA	PMC-4B-PCI
Appearances & Dimensions	 <p>[W176.8×H100mm]</p>	 <p>[W174.6×H106.7mm]</p>
Control axis	2-axis	4-axis
Control interface	ISA bus	PCI bus
Interpolation	<p>2-axis linear interpolation Interpolation range : -8,388,607 ~ +8,388,607 Interpolation speed : 1pps ~ 4Mpps Positioning accuracy : Max. ±0.5 LSB</p> <p>Circular interpolation Interpolation range : -8,388,607 ~ +8,388,607 Interpolation speed : 1pps ~ 4Mpps Positioning accuracy : Max. ±1 LSB</p> <p>2-axis bit pattern interpolation Interpolation speed : 1pps ~ 4Mpps (depends on the time for CPU data set-up)</p> <p>Others Constant linear velocity, continuous interpolation, interpolation STEP transmission (Command, lexternal signal)</p>	<p>2-axis/ 3-axis linear interpolation Interpolation range : -2,147,483,646 ~ +2,147,483,646 Interpolation speed : 1pps ~ 4Mpps Positioning accuracy : Max. ±0.5 LSB</p> <p>Circular interpolation Interpolation range : -2,147,483,646 ~ +2,147,483,646 Interpolation speed : 1pps ~ 4Mpps Positioning accuracy : ±1 LSB</p> <p>2-axis/ 3-axis bit pattern interpolation Interpolation speed : 1pps ~ 4Mpps (depends on the time for CPU data set-up)</p> <p>Others Selectable axis, constant linear velocity, continuous interpolation, interpolation STEP transmission (Command, lexternal signal)</p>
Output for common	IN0~3 for each axis	IN0~5 for each axis, OUT0~7 for each axis
Others	<p>Power : 5VDC The voltage of external power : 12~24VDC Ac/deceleration drive (constant speed drive, linear ac/deceleration drive, S-curve ac/deceleration drive) Encoder input pulse, Position counter, Comparing register, interrupt function (except for interpolation), Drive by external signal. External deceleration stop/Immediate stop signal, servo motor input signal (ALARM, INPOS), Drive condition signal output</p>	

Dimensions

PMC-2B-ISA



PMC-4B-PCI



Unit:mm




HIGH-SPEED 1/2-AXIS PROGRAMMABLE MOTION CONTROLLER

Ordering information

PMC – 2HS – USB

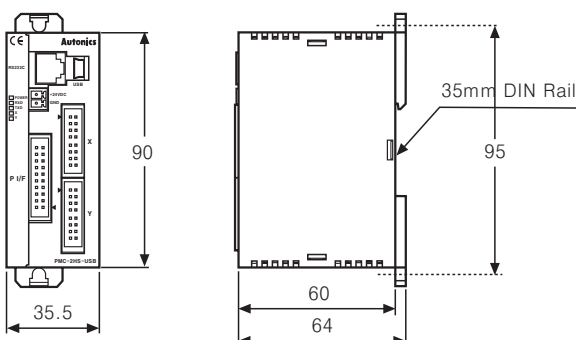
232	RS232C
USB	USB / RS232C
485	RS485 / RS232C
1HS	1-Axis High Speed Stand-Alone
2HS	2-Axis High Speed Stand-Alone
PMC	Programmable Motion Controller

Specifications

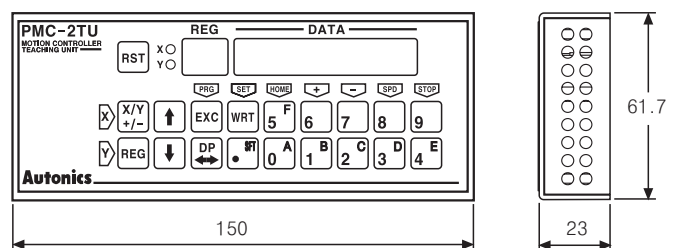
Model	PMC-1HS(USB/232/485)	PMC-2HS(USB/232/485)
Appearances & Dimensions	 <p>[W36×H90×L64mm]</p>	 <p>[W36×H90×L64mm]</p>
Control axis	1 axis	2 axis (Individual programming for each axis)
Motor of control	Pulse input of stepping motor or servo motor	
Index step numbers	64 steps for each axis	
Inposition range	- 8388608 ~ + 8388607 (Selectable absolute/Incremental value) pulse scaling function	
Drive speed numbers	4	
Range for the drive speed configuration	1 pps ~ 4 Mpps (1 ~ 8000 × magnifying 1 ~ 500)	
Operation mode	• Scan • Continuous • Index • Program drive	
Home search mode	High-speed near home signal search (Step 1) → Low-speed near home signal search (Step 2) → Low-speed Z signal search (Step 3) → High-speed home search offset (Step 4) Available to set detecting direction and selectable enable or disable	
Program function	<ul style="list-style-type: none"> • Memory : EEPROM • Steps : 64 Steps • Start : Power on program auto start function • Home search : Power on home search function • Control command : ABS, INC, HOM, IJP, OUT, OTP, JMP, REP, RPE, END, TIM, NOP (12 kinds) 	
Control interface	Parallel Interface P I/F	
Common output	1 end point	2 end point
Power supply	24VDC	
Current consumption	Min. 0.25A for input/output signal open	
Teaching unit (Sold separately)	<p>PMC-2TU-232 (It is separately.)</p> <ul style="list-style-type: none"> • Exclusive PMC-1HS/2HS (Sold separately.) • It enables to control the operation mode, parameter and program record of PMC-1HS/PMC-2HS without PC.  <p>[W150×H61.7×L23mm]</p>	

Dimensions

PMC-2HS(USB/232/485)



PMC-2TU-232



Unit:mm