



Fast, Accurate, Smooth Motion Control

Ezi-SERVOII-EC Operation Manual < Advantech 'PCI-1203' Master >



Ezi-SERVO[®]
Closed Loop Stepping System

❑ Ezi-SERVOII-EC Material Download [ESI(XML)]

❑ ESI(XML) : Download from www.fastech.co.kr website [Archive]

The screenshot shows a web browser window displaying the Fastech website. The browser's address bar shows <http://www.fastech.co.kr/>. The website header includes the Fastech logo with the tagline "Fast, Accurate, Smooth Motion" and a navigation menu with items like "Company Introduction", "Product Information", "Product Video Clips", "Exhibition Information", "Global Sales Network", "Fastech Archive", "FAQ", and "On-Line Contact".

The main content area features a banner with the text "Fast, Accurate and Smooth Motion Control Technology together with always consistent" and a search bar. Below the banner, the "Fastech Archive" section is active, showing a list of archived items. A red arrow points to a specific entry: "[Software Program] [Setup] Ezi-SERVO II EtherCAT : XML File". This entry is highlighted with a red dashed box and includes a "Click" label. Below the entry, the filename "FASTECH_Ezi-SERVO2_EtherCAT.xml (183.3K) [18]" and the date "DATE : 2016-02-05 12:14:34" are visible. The page also includes a "Customer Center" sidebar with options like "Fastech Archive", "Certificate", and "Software Program", and a "FASTECH PRODUCTS" section with a "Product Detail" link.

☐ Ezi-SERVOII-EC Material Download [Manual]

☐ Manual : Download from www.fastech.co.kr website [Product Information]

The screenshot shows the Fastech website interface. At the top, there is a navigation menu with links for 'Company Introduction', 'Product Information', 'Product Video Clips', 'Exhibition Information', 'Global Sales Network', 'Fastech Archive', 'FAQ', and 'On-Line Contact'. Below the menu is a banner with the Fastech logo and the tagline 'Fast, Accurate and Smooth Motion Control Technology together with always constant mind'. The main content area features a search bar and a list of product information links. A red arrow points to the 'MANUAL' link in the product information section.

Product Information

- Fastech Product Specifications
- Ezi-SERVO series
- Ezi-SERVO II EtherCAT series
 - MC4N
 - Ezi-STEP series
 - Ezi-LinearStep series
 - Ezi-Robo series
 - S-SERVO series
 - Ezi-MOTIONGATE series
 - Ezi-Motionlink series

Ezi-SERVO II EtherCAT series

용부한 기술력과 경쟁력을 가진 파스텍이름 소개합니다

Ezi-SERVO II EtherCAT Series
Closed Loop Stepping System

EtherCAT[®] CE

Ezi-SERVO II EtherCAT Series is combination package between Fastech's Closed Loop Stepping Motor Drive/Controller system and Ethernet based Fieldbus EtherCAT. Ezi-SERVO II EtherCAT supports CIA402 Drive Profile.

- CIA 402 Drive Profile support
- Closed Loop Stepping System
- No Gallop / No Hunting
- Torque Management by Boost Current Control

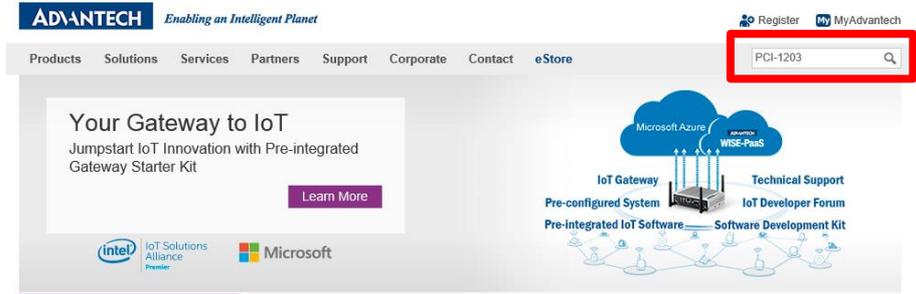
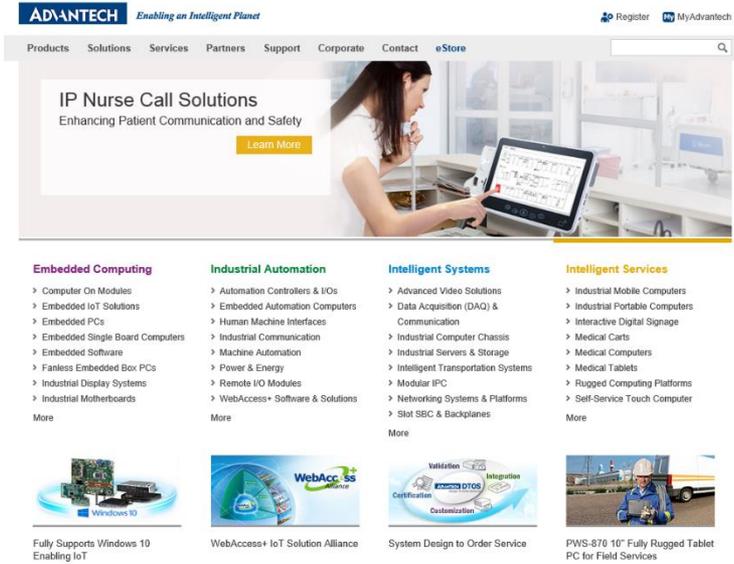
Click

■ Save ESI(XML) - Registration

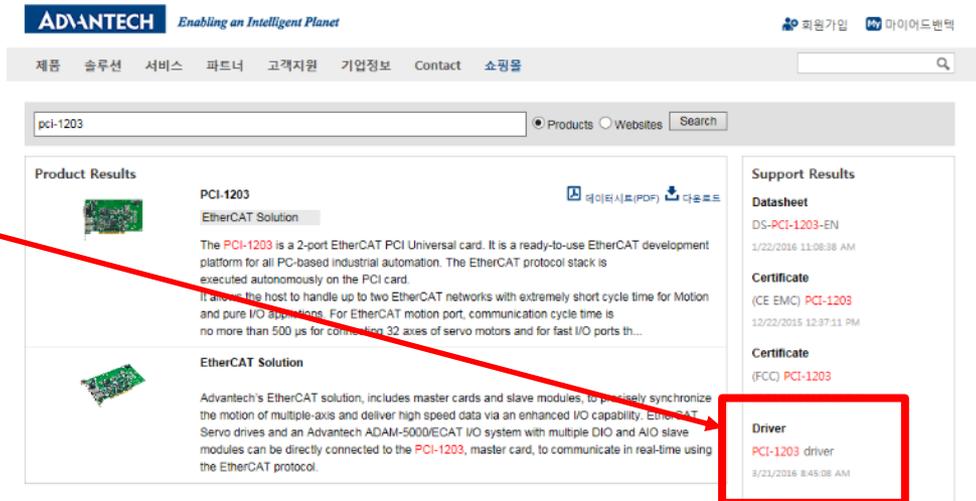
- ❑ **On-Line Scan Method** : Possible to get all information automatically from Slave without an individual ESI file,
- ❑ **Off-Line Scan Method** : This method enables Configuration process for Slave with ESI file of information,
- ❑ **ADVANTECH's PCI-1203** utilizes On-Line Scan Method so there is no necessity to register ESI file.
- ❑ **Also PDO Configuration** is already fixed onto PCI-1203 Master so User is not able to change PDO Mapping (most of customers use Common Motion API Layer than EtherCAT API Layer)
- ❑ **Most of PC Based customer** already recognize API Layer well and PCI-1203 also knows this method so even customer is not fully understanding EtherCAT Protocol, they can utilize product and it is one of the advantage of PCI-1203.

Program Installation

Access to www.advantech.co.kr website and input PCI-1203 then search



Select PCI-1203 Drive Program



Program Installation

Select PCI-1203 Common Motion Driver program and get download thru Primary Download Site.

ADVANTECH *Enabling an Intelligent Planet* Home

Products Solutions Corporate Partners Support Services Contact  eStore

Support / Downloads / Driver /

Document No. 1-2325095434			
Date Updated	03-21-2016	Date Created	12-28-2015
Document Type	Driver	Related OS	Win7
Related Product	PCI-1203-06AE		

PCI-1203 LabView driver

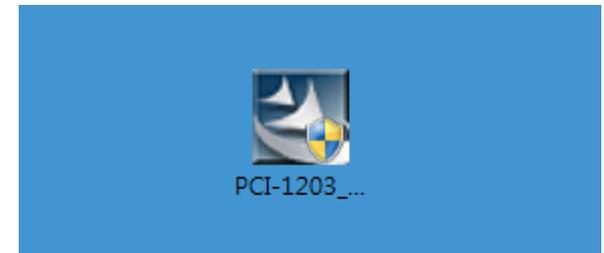
Solution :

Download File	Released Date	Download Site	
PCI-1203_LabVIEW_Driver.exe	2015-12-28	Primary	Secondary

PCI-1203 common motion driver

Solution :

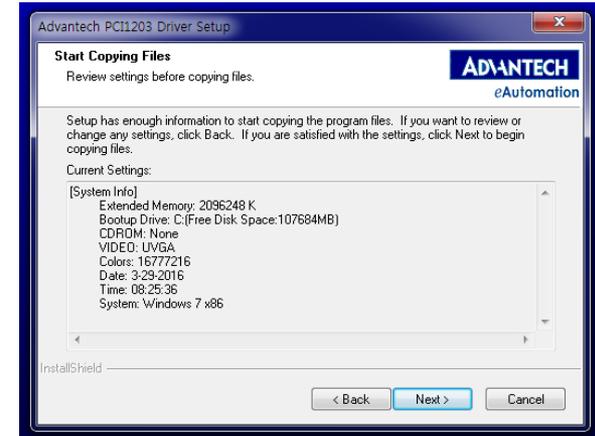
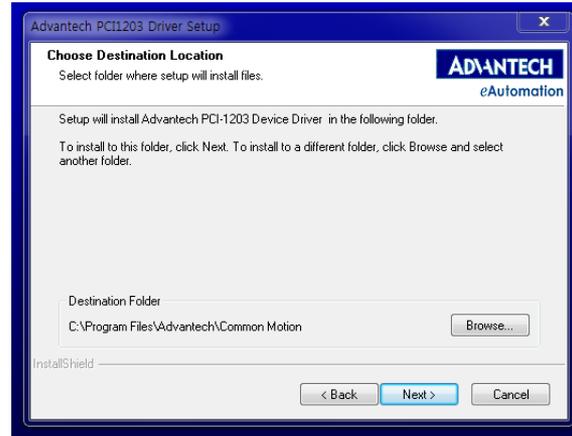
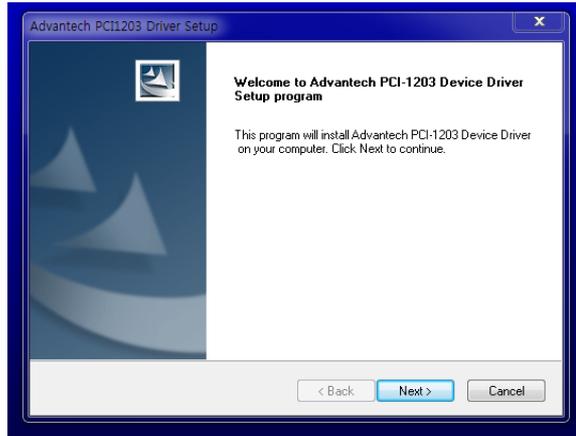
Download File	Released Date	Download Site	
PCI-1203_Driver.exe	2016-03-17	Primary	Secondary



Execute Download and PCI-1203 execution icon will be pop-up at main screen.

Program Installation

- ❑ Execute PCI-1203 Driver Set Up program and it is for Windows Vista 64bit



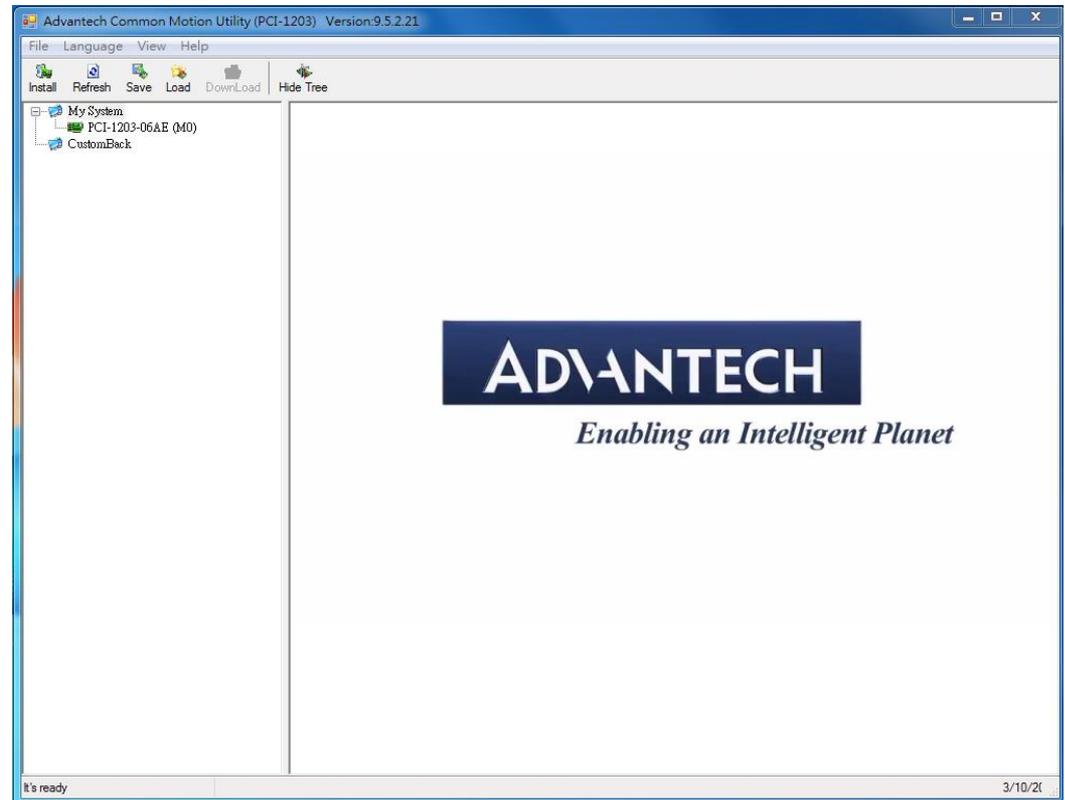
- ❑ Need to check "Finish" and click to complete

Program Operation

- Execute Common Motion Utility (PCI-1203) program.



- After implementation, Loading program will be Showing up.



Program Operation

- This window enables to execute various functions from Master (PCI-1203-06AE from left side of Tree)

Advantech Common Motion Utility (PCI-1203) Version:9.5.2.21

File Language View Help

Install Refresh Save Load Download Motion DAQ Hide Tree

My System
PCI-1203-06AE (M0)
Motion Ring
0x261: Ezi-SERVO2 EtherCAT
0x200: Ezi-SERVO2 EtherCAT
Fast IO Ring
CustomBack

Single-Axis Motion Multi-Axis Motion Synchronized Motion Local IO DO DI Mapping Table Information

Operate Axis: PCI-1203-06AE (M0) 1-Axis SVON Device Number: 0x62000000

Motion Params Set
Distance: 10000 PPU
VelLow: 2000 PPU/S
VelHigh: 8000 PPU/S
Acc.: 10000 PPU/S²
Dec.: 10000 PPU/S²
New Pos.: 3000 PPU
New Vel.: 5000 PPU/S

Speed Pattern
 Trapezia S-curve View Range>>

Motion Mode
 P to P Continue

Set Parameters Speed Chart>>

Configuration
Home Mode>> External Drive>>
Axis Setup>> Axis Status>>

Move Test
<- ->
Move Impose Stop
PTP Back-and-Forth>>

Position
Command: 15395 Reset Error
Feedback: 15395 Reset Counter

Current Axis Status
Current State: Ready
Command Velocity: 0

I/O Status
RDY
ALM
LMT+
LMT-
ORG
DIR
EMG
PCS
ERC
EZ
CLR
LTC
SD
INP
SVON
RALM
SLMT+
SLMT-
CMP
CAM-DO
TORLMT

Last Error Status
Error Code: 0 Error Message: Success

Stop

It's ready 3/10/20

Program Operation

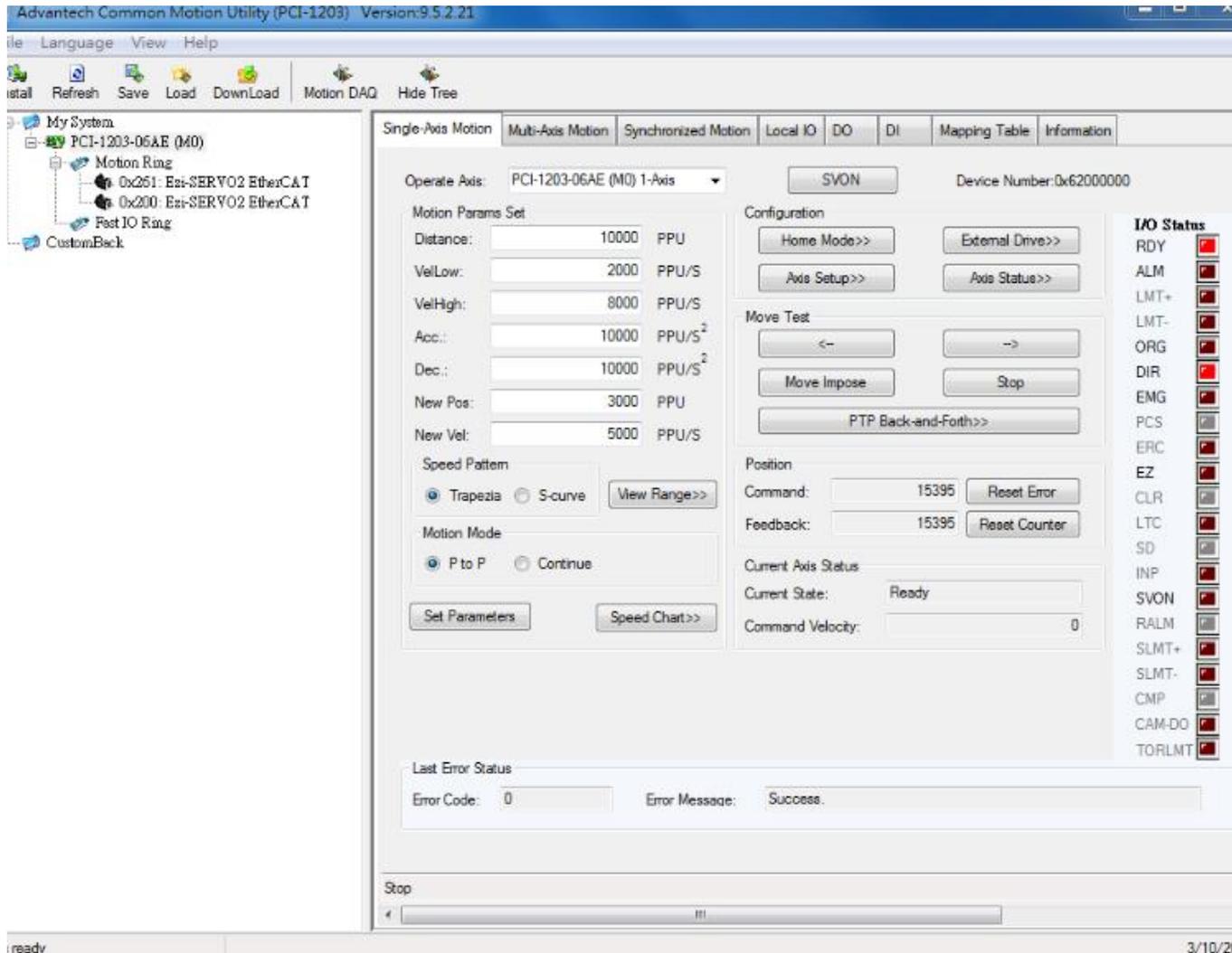
- Execute SVON/ / SVOFF button to click button.

The screenshot shows the 'SVON' control interface. At the top, there are tabs for 'Single-Axis Motion', 'Multi-Axis Motion', 'Synchronized Motion', 'Local IO', 'DO', 'DI', 'Mapping Table', and 'Information'. The 'Operate Axis' dropdown is set to 'PCI-1203-06AE (M0) 1-Axis'. The 'SVON' button is highlighted in blue. To the right, the 'Device Number' is '0x62000000'. Below this, there are two main sections: 'Motion Params Set' and 'Configuration'. The 'Motion Params Set' section includes input fields for 'Distance' (10000 PPU), 'VelLow' (2000 PPU/S), and 'VelHigh' (8000 PPU/S). The 'Configuration' section contains buttons for 'Home Mode>>', 'External Drive>>', 'Axis Setup>>', and 'Axis Status>>'. On the far right, the 'I/O Status' section shows three indicators: 'RDY' (red), 'ALM' (red), and 'LMT+' (red).

The screenshot shows the 'SVOFF' control interface. It has the same top tabs as the SVON interface. The 'Operate Axis' dropdown is set to 'PCI-1203-06AE (M0) 1-Axis'. The 'SVOFF' button is highlighted in blue. The 'Device Number' is '0x62000000'. Below this, there are two main sections: 'Motion Params Set' and 'Configuration'. The 'Motion Params Set' section includes input fields for 'Distance' (10000 PPU), 'VelLow' (2000 PPU/S), and 'VelHigh' (8000 PPU/S). The 'Configuration' section contains buttons for 'Home Mode>>', 'External Drive>>', 'Axis Setup>>', and 'Axis Status>>'. At the bottom, there is a 'Move Test' section. On the far right, the 'I/O Status' section shows three indicators: 'RDY' (red), 'ALM' (red), and 'LMT-' (red).

Program Operation

Basic GUI of Single-Axis Motion is as follows



Program Operation

- Moving distance, Velocity, Acc/Dec and Position information can be written thru basic setting.

Operate Axis:

Motion Params Set

Distance:	<input type="text" value="20000"/>	PPU
VelLow:	<input type="text" value="2000"/>	PPU/S
VelHigh:	<input type="text" value="8000"/>	PPU/S
Acc.:	<input type="text" value="10000"/>	PPU/S ²
Dec.:	<input type="text" value="10000"/>	PPU/S ²
New Pos:	<input type="text" value="3000"/>	PPU
New Vel:	<input type="text" value="5000"/>	PPU/S

Program Operation

- For example, if you set basic setting as values as follows then implement Move Test, can check actual position nvalue and also available to reset thru Reset Counter to make 0.

Operate Axis:

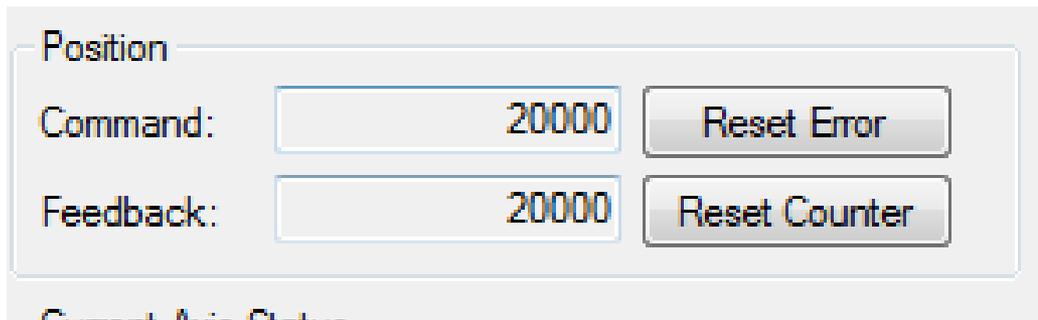
Motion Params Set

Distance:	<input type="text" value="20000"/>	PPU
VelLow:	<input type="text" value="2000"/>	PPU/S
VelHigh:	<input type="text" value="8000"/>	PPU/S
Acc.:	<input type="text" value="10000"/>	PPU/S ²
Dec.:	<input type="text" value="10000"/>	PPU/S ²
New Pos:	<input type="text" value="3000"/>	PPU
New Vel:	<input type="text" value="5000"/>	PPU/S

Move Test

■ Program Operation

- ❑ For example, can set basic setting as values as below then implement Move Test. And possible to check actual Position Value. Also reset thru Reset Counter.



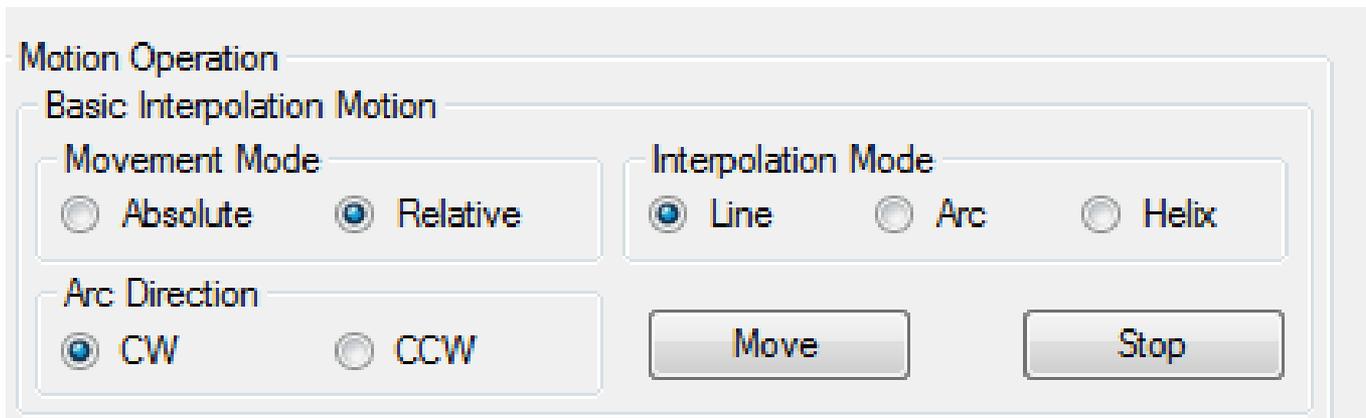
Position

Command:

Feedback:

Current Axis Status

- ❑ Others for example, operation direction, Absolute/Relative setting can be done by Motion Operation.



Motion Operation

Basic Interpolation Motion

Movement Mode: Absolute Relative

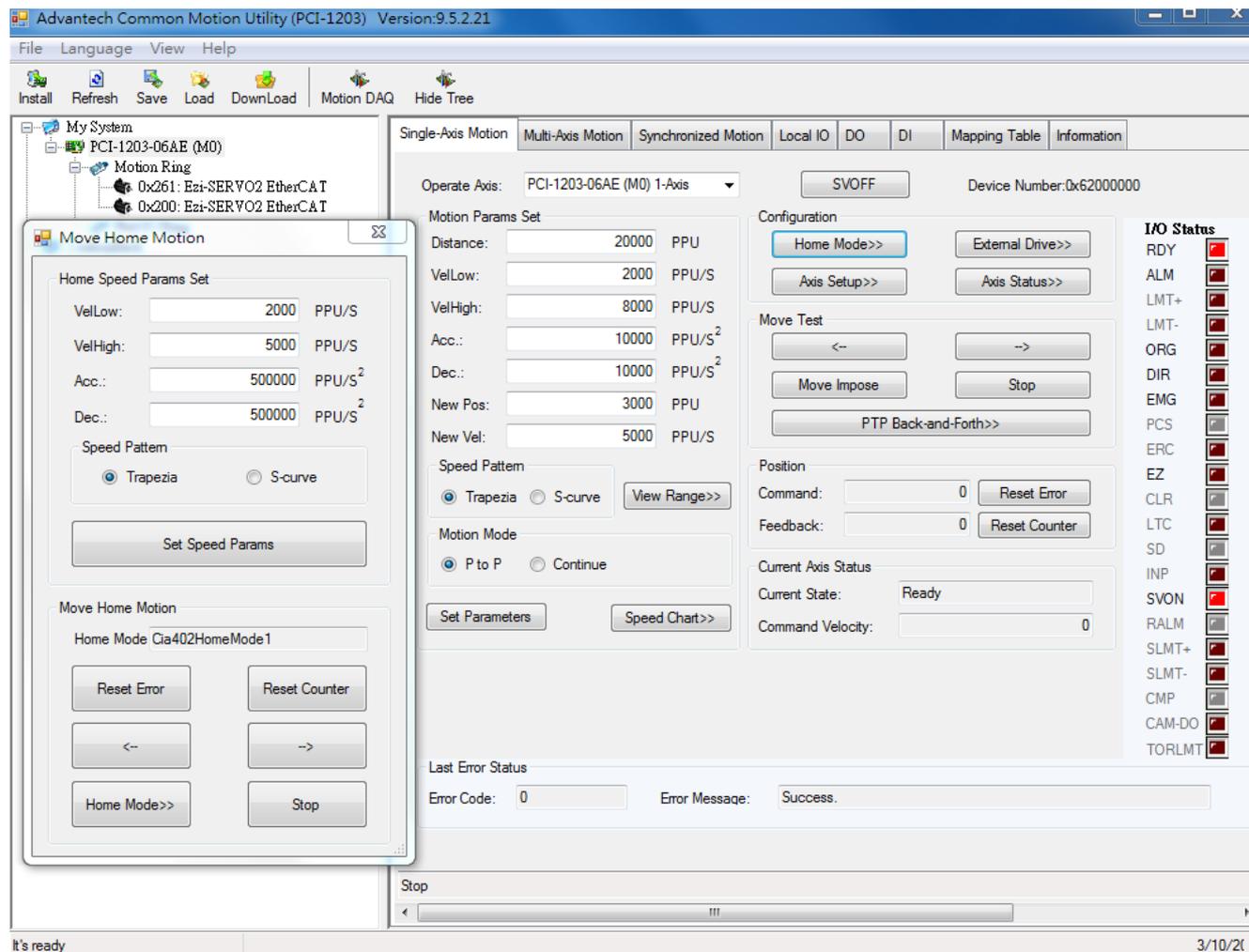
Interpolation Mode: Line Arc Helix

Arc Direction: CW CCW

Program Operation

□ Able to operate by Home Mode at Configuration.

□ If clicks Home Mode, individual Home Mode Setting window Pops-up.



Program Operation

- Able to check Axis information to select Axis Status from Configuration.

The screenshot displays the Ezi-SERVO software interface. On the left, a tree view shows the system structure: My System > PCI-1203-06AE (M0) > Motion Ring > 0x261: Ezi-SERVO2 EtherCAT > 0x200: Ezi-SERVO2 EtherCAT > Fast IO Ring > CustomBack. The main window is titled 'Single-Axis Motion' and shows configuration for 'Operate Axis: PCI-1203-06AE (M0) 1-Axis'. The 'Motion Params Set' includes Distance (20000 PPU), VelLow (2000 PPU/S), VelHigh (8000 PPU/S), Acc. (10000 PPU/S²), Dec. (10000 PPU/S²), New Pos. (3000 PPU), and New Vel. (5000 PPU/S). The 'Speed Pattern' is set to Trapezia, and the 'Motion Mode' is P to P. The 'Current Axis Status' is 'Ready'. The 'I/O Status' panel on the right shows various status indicators, with RDY (Ready) highlighted in red. The 'Error Code' is 0 and the 'Error Message' is 'Success'.

Name	Value
PhylID	AXIS_1
PPU	1
Motion Status	Stop
State	STA_AX_READY
Error Status	SUCCESS
Velocity	0
Actual Position	0
Command Position	0
SLMT+	OFF
SLMT-	OFF
LMT+	OFF
LMT-	OFF
RDY	ON
ALM	OFF
EMG	OFF
INP	OFF
EZ	OFF
ORG	OFF
DIR	OFF
PCS	OFF
ERC	OFF
CLR	OFF

Program Operation

- ❑ Able to check current moving axis of information thru Axis Set Up at Configuration. For example, Alarm, Backlash, Home, Jog and other functions plus Set up information of each axis to adjust.

The screenshot displays the Advantech Common Motion Utility (PCI-1203) Version:9.5.2.21 interface. The main window shows the configuration for a single-axis motion system. An 'Axis Property Configuration' dialog box is open, showing the following configuration values:

Name	Configuration Value
Alarm Enable	ALM_EN
Alarm Logic	NOT_SUPPORT
Alarm React	ALM_DEC_TO_STOP

The dialog box also includes a 'Copy To Axes:' section with a 'Copy Config' button and a note: 'Note: It configures the active logic for EMG signal of this motion device.' The background window shows various motion parameters and I/O status indicators.

Program Operation

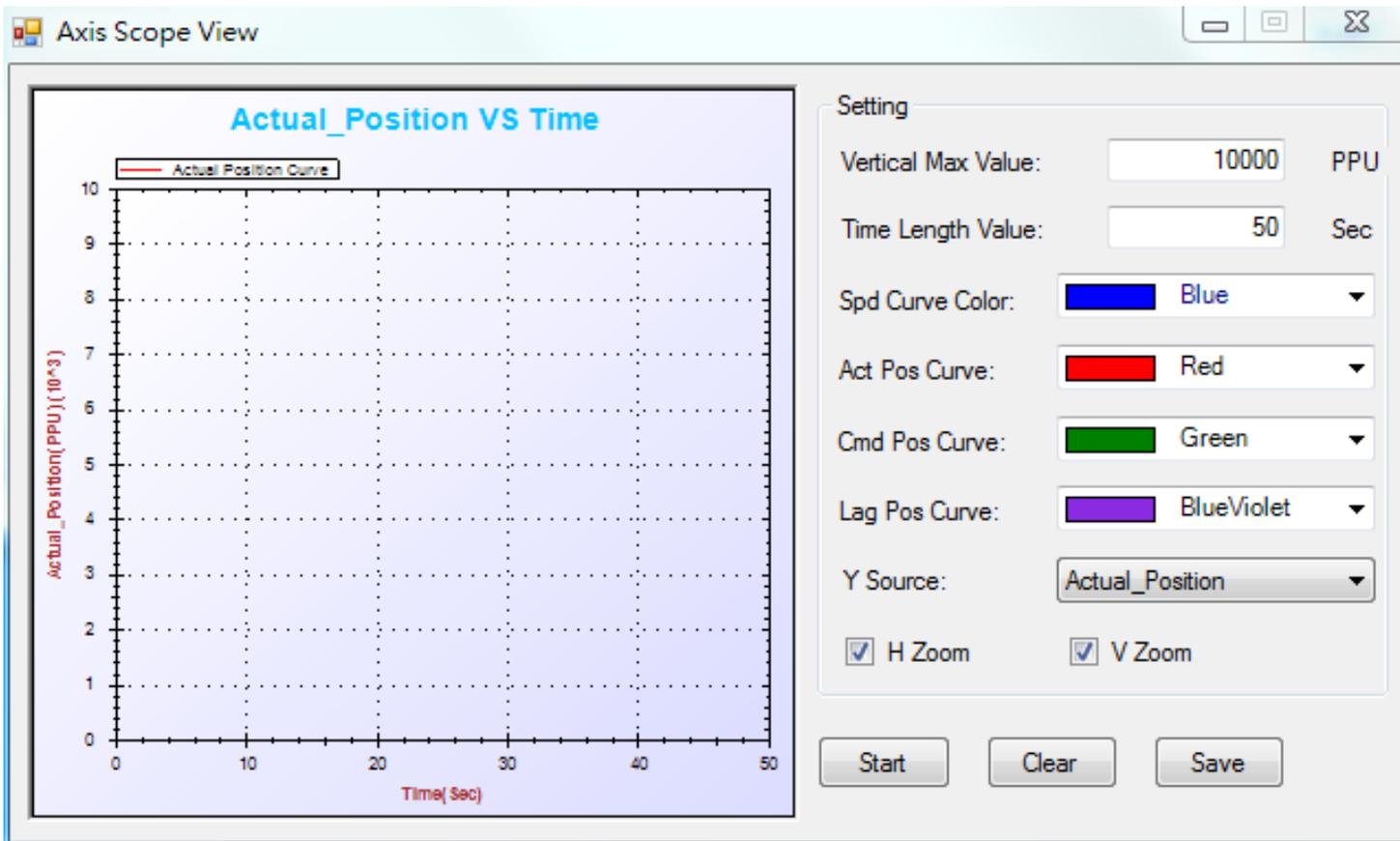
The screenshot displays the Ezzi-Servo software interface. At the top, there are tabs for 'Single-Axis Motion', 'Multi-Axis Motion', 'Synchronized Motion', 'Local IO', 'DO', 'DI', 'Mapping Table', and 'Information'. The 'Operate Axis' is set to 'PCI-1203-06AE (M0) 1-Axis'. The 'Device Number' is '0x62000000'. The 'Motion Params Set' includes: Distance: 20000 PPU, VelLow: 2000 PPU/S, VelHigh: 8000 PPU/S, Acc.: 10000 PPU/S², Dec.: 10000 PPU/S², New Pos: 3000 PPU, and New Vel: 5000 PPU/S. The 'Speed Pattern' is set to 'Trapezia'. The 'Motion Mode' is 'P to P'. The 'Configuration' section has buttons for 'Home Mode>>', 'External Drive>>', 'Axis Setup>>', and 'Axis Status>>'. The 'Move Test' section has buttons for '<->', '>->', 'Move Impose', 'Stop', and 'PTP Back-and-Forth>>'. The 'Position' section has 'Command: 0' and 'Feedback: 0', both with 'Reset' buttons. The 'Current Axis Status' shows 'Current State: Ready' and 'Command Velocity: 0'. On the right, the 'I/O Status' panel lists various status indicators: RDY, ALM, LMT+, LMT-, ORG, DIR, EMG, PCS, ERC, EZ, CLR, LTC, SD, INP, SVON, RALM, and SLMT+.

The 'Axis Scope View' window is open, showing a graph titled 'Actual_Position VS Time'. The Y-axis is 'Actual_Position (PPU) (10³)' ranging from 0 to 10. The X-axis is 'Time (Sec)' ranging from 0 to 50. A legend indicates 'Actual Position Curve' in red. The 'Setting' panel for the scope view includes: Vertical Max Value: 10000 PPU, Time Length Value: 50 Sec, Spd Curve Color: Blue, Act Pos Curve: Red, Cmd Pos Curve: Green, Lag Pos Curve: BlueViolet, Y Source: Actual_Position, and checkboxes for H Zoom and V Zoom. Buttons for 'Start', 'Clear', and 'Save' are at the bottom.

❑ Has Scope View function to visualize each axis of scope by Speed Chart function. And available to select different color and items at each axis.

Program Operation

- Has Scope View function to visualize each axis of scope by Speed Chart function. And available to select different color and items at each axis



Program Operation

Simultaneous Servo On/Off for each slave axis thry Multi-Axis Motion and available to operate product by individual setting Motion Operation condition.

Advantech Common Motion Utility (PCI-1203) Version:9.5.2.21

File Language View Help

Install Refresh Save Load Download Motion DAQ Hide Tree

My System

- PCI-1203-06AE (M0)
 - Motion Ring
 - 0x261: Ezi-SERVO2 EtherCAT
 - 0x200: Ezi-SERVO2 EtherCAT
 - Fast IO Ring
 - CustomBack

Single-Axis Motion Multi-Axis Motion Synchronized Motion Local IO DO DI Mapping Table Information

Operate Axes:

Axes	Line End (PPU)	Arc Center (PPU)	Arc End (PPU)
0-Axis	8000	8000	16000
1-Axis	8000	0	0

SVON SVOFF

Motion Params Set

VelLow: 1000 PPU/S

VelHigh: 8000 PPU/S

Acc.: 50000 PPU/S²

Dec.: 50000 PPU/S²

Speed Pattern

Trapezia S-curve

Set Parameters

Motion Operation

Basic Interpolation Motion

Movement Mode

Absolute Relative

Interpolation Mode

Line Arc Helix

Arc Direction

CW CCW

Move Stop

Path Motion

Speed Forward Blending Time: 0 ms

Edit Path>> Load Path>> Move Path Move Sel Path>>

Tangent In>> Tangent Stop Path Plot>> Speed Chart>>

Path Status

CurIndex: 0 CurCmd: EndPath Path Count: 0

Remain: 0 FreeCnt: 7000

Reset Path

Position

Position	0-Axis	1-Axis
Command	4	0
Feedback	4	0

Reset Error

Reset Counter

Group State: Ready

Last Error Status

Error Code: 0 Error Message: Success.

It's ready 3/10/21

Program Operation

- ❑ Synchronized Motion enables synchro-motion for multi axes. And available to simulate as well thru CAM Editor program.

The screenshot displays the 'Synchronized Motion' configuration window in the Ezi-Servo software. The interface is divided into several sections for configuring the slave and master axis operations.

Slave Axis Operation:

- Slave Axis: PCI-1203-06AE (M0) 0-Axis
- Synchronized Mode: CAM, Gear, Gantry
- CAM Editor>> and Load CAMTable File>> buttons are present.
- CAM Motion Configuration:
 - CAMTable ID: 0
 - Camming Type: Non periodic
 - Master Movement Mode: Absolute, Relative
 - Slave Movement Mode: Absolute, Relative
 - MasterOffset: 0, SlaveOffset: 0
 - MasterScaling: 1, SlaveScaling: 1
 - Reference Source: Command Pos, Feedback Pos
 - Download CAMTable, CAM In, and Stop buttons are available.
- Gear Motion Configuration:
 - Numerator: 1, Denominator: 1
 - Reference Source: Command Pos, Feedback Pos
 - Movement Mode: Absolute, Relative
 - Gear In and Stop buttons are available.
- Gantry Motion Configuration:
 - Reference Source: Command Pos, Feedback Pos
 - Direction: Same, Opposite
 - Max Diff: 100
 - Set, Gantry In, and Stop buttons are available.

Master Axis Operation:

- Master Axis: PCI-1203-06AE (M0)
- Motion Params Set:
 - Distance: 10000
 - VelLow: 2000
 - VelHigh: 8000
 - Acc.: 10000
 - Dec.: 10000
- Speed Pattern: Trapezia, S-
- Motion Mode: P to P, Cc
- Set Parameters and View buttons are present.
- Position:
 - Master Axis: S
 - Command: 16000
 - Feedback: 16000
- Current Axis State:
 - Master: Ready
 - Slave: Ready

Program Operation

- ❑ Synchronized Motion enables synchro-motion for multi axes. And available to simulate as well thru CAM Editor program.

The screenshot displays the 'Synchronized Motion' configuration window. At the top, there are tabs for 'Single-Axis Motion', 'Multi-Axis Motion', 'Synchronized Motion', 'Local IO', 'DO', 'DI', 'Mapping Table', and 'Information'. The 'Synchronized Motion' tab is active.

Slave Axis Operation

- Slave Axis: PCI-1203-06AE (M0) 1-Axis
- Synchronized Mode: CAM, Gear, Gantry
- CAM Editor>> (button)
- Load CAMTable File>> (button)
- CAM Motion Configuration: CAMTable ID: 0, Camming Type: Non periodic
- Master Movement Mode: Absolute, Relative
- Slave Movement Mode: Absolute, Relative
- MasterOffset: 0, SlaveOffset: 0
- MasterScaling: 1, SlaveScaling: 1
- Reference Source: Command Pos, Feedback Pos
- Download CAMTable (button)
- CAM In (button), Stop (button)

Master Axis Operation

- Master Axis: PCI-1203-06AE (M0) 0-Axis
- SVOFF (button)
- Motion Params Set:
 - Distance: 10000 PPU
 - VelLow: 2000 PPU/S
 - VelHigh: 8000 PPU/S
 - Acc.: 10000 PPU/S²
 - Dec.: 10000 PPU/S²
- Speed Pattern: Trapezia, S-curve
- Motion Mode: P to P, Continue
- Navigation buttons: <-, -->, Stop, Path Plot>>

Program Operation

❑ Synchronized Motion enables synchro-motion for multi axes. And available to simulate as well thru CAM Editor program.

The screenshot displays the CAM Editor interface with two main graphs and a control panel on the right.

E-CAM Curve: The top graph shows the relationship between Master (Pulse) (10^3) on the x-axis (0 to 10) and Slave (Pulse) on the y-axis (-1264 to 10113). A blue curve labeled 'My Path Curve' starts at (0,0), rises linearly to approximately (6, 10113), remains constant until x=9, and then drops sharply to 0 at x=10. A pink dot is at (6, 10113) and red dots are at (7, 10113), (8, 10113), and (9, 10113).

Velocity Curve: The bottom graph shows the relationship between Master (Pulse) (10^3) on the x-axis (0 to 10) and Slave (Pulse) on the y-axis (-2000 to 138000). The curve shows a high-frequency oscillation (staircase) that follows the path curve's profile, with a sharp peak at the end of the constant segment.

Data Table: A table on the right lists points for the path curve.

No	X_Pos	Y_Pos	Range	Slope
1	0	0	500	0
6	5996	10000	500	0
5	6997	10000	500	0
4	7998	10000	500	0
3	8999	10000	500	0
2	10000	0	500	0

Control Panel: Below the table are buttons for 'Delete Row', 'Clear All', 'Load Data', and 'Save Data'. Below these are input fields for X (5996), Y (10000), pointRange (500), and Slope (0), with an 'Add Point' button. Further down are fields for 'ModuleRange' (10000) and 'Operation Mode' (Add Point selected).

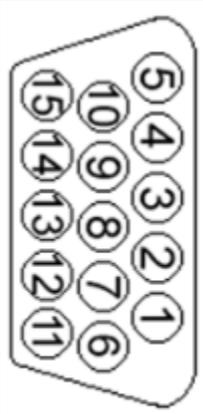
Program Operation

- I/O Assignment, it means each details of pin information can be checked from Mapping Table.

Control

	PortNo	Bit 7	4	3	0	Hex
Digital Output	0					f
Digital Input	0					0

Pin Assignment



D-Sub Pin Assignment			
Pin	Description	Pin	Description
1	DO 3	9	DI 5
2	DI 2	10	DI 7
3	DI 4	11	DO 2
4	DI 6	12	DO 4
5	DI 8	13	External power GND
6	DO 1	14	External power GND
7	DI 1	15	External power (+24V)
8	DI 3		

Program Operation

Device Information

Device Name PCI-1203-06AE (M0)



Description Advantech EtherCAT Master Card

Firmware Version 1.0.1.2.0

FPGA Version a.0.0.3.

Kernel Driver Version 1.0.1.0

User Driver Version 2.0.1.0

System Log Enable

Master (R0)

Topology

Master Name Motion Ring

Cycle Time 500 μ s

Connected Slave Count 2

Description Support EtherCAT servo motor and ADAM-5000/ECAT.

Master (R1)

Topology

Master Name Fast IO Ring

Cycle Time 200 μ s

Connected Slave Count 0

Description Support ADAM-5000/ECAT.
(Servo motor not support)

Able to check Device Information of basic master.

Program Operation

- Able to check each axis of GUI once click recognized FASTECH slave under Motion Ring Tree.

Advantech Common Motion Utility (PCI-1203) Version:9.5.2.21

File Language View Help

Install Refresh Save Load DownLoad Motion DAQ Hide Tree

My System

- PCI-1203-06AE (M0)
 - Motion Ring
 - 0x261: Ezi-SERVO2 EtherCAT
 - 0x200: Ezi-SERVO2 EtherCAT
 - Fast IO Ring
 - CustomBack

Single-Axis Motion DO DI Motion IO IO List Information

Operate Axis: PCI-1203-06AE (M0) 1-Axis SVOFF Device Number: 0x62000000

Motion Params Set

Distance: 20000 PPU

VelLow: 2000 PPU/S

VelHigh: 8000 PPU/S

Acc.: 10000 PPU/S²

Dec.: 10000 PPU/S²

New Pos: 3000 PPU

New Vel: 5000 PPU/S

Speed Pattern

Trapezia S-curve View Range>>

Motion Mode

P to P Continue

Set Parameters Speed Chart>>

Configuration

Home Mode>> External Drive>>

Axis Setup>> Axis Status>>

Move Test

<- ->

Move Impose Stop

PTP Back-and-Forth>>

Position

Command: 0 Reset Error

Feedback: 0 Reset Counter

Current Axis Status

Current State: Ready

Command Velocity: 0

I/O Status

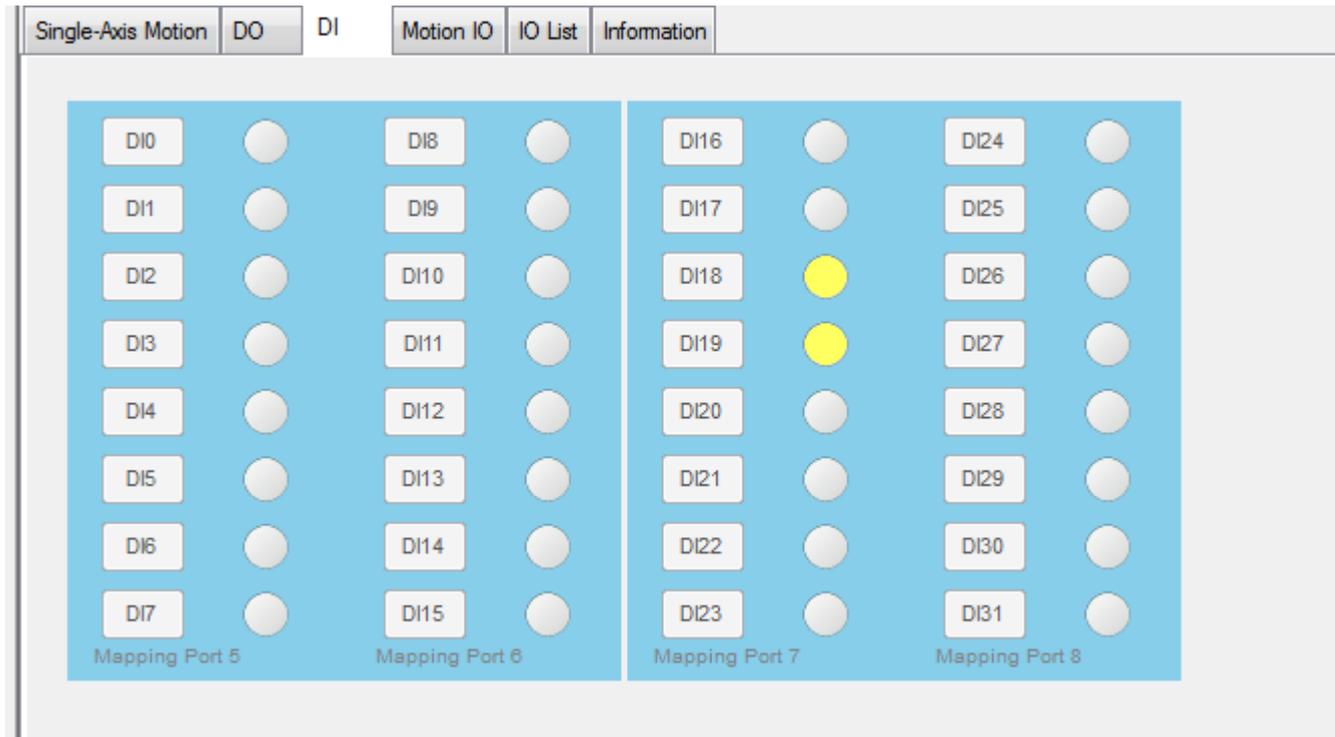
- RDY
- ALM
- LMT+
- LMT-
- ORG
- DIR
- EMG
- PCS
- ERC
- EZ
- CLR
- LTC
- SD
- INP
- SVON
- RALM
- SLMT+
- SLMT-
- CMP
- CAM-DO
- TORLMT

Last Error Status

Error Code: 0 Error Message: Success.

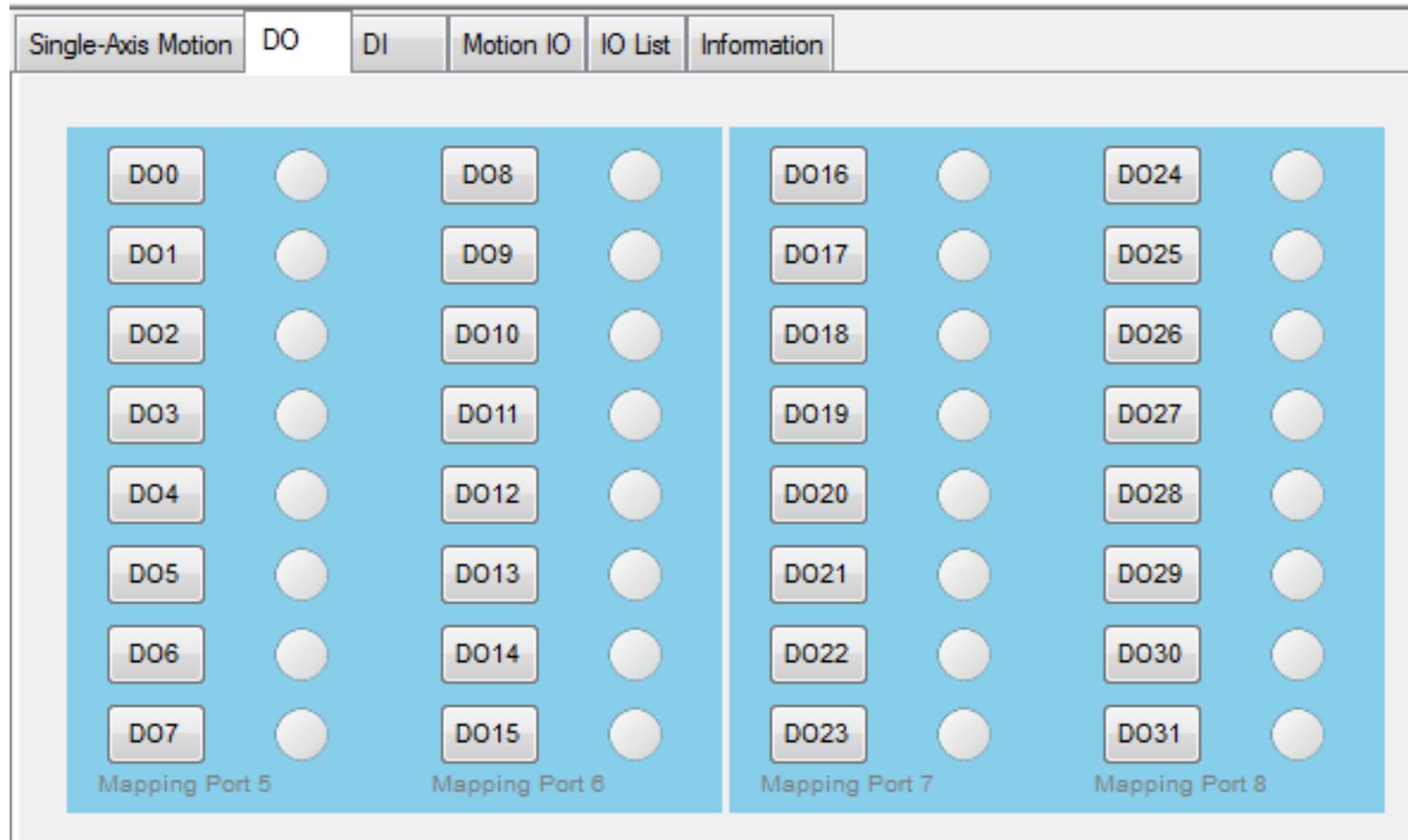
■ Program Operation

- Monitoring for Input is available thru Digital Input function (If you push I/O button of FASTECH actual demo, can check High/Low information thru I/O monitoring)



■ Program Operation

- Monitoring for Output is available thru Digital Output function.



Program Operation

- You can check information of each slave and also able to change ID of each slave.

Single-Axis Motion DO DI Motion IO IO List Information

Slave Information

Vendor	Unknown (0xFA00000)
Device Name	Ezi-SERVO2 EtherCAT
Device Type	Unknown
ProductCode	0x00001002
Revision No	0x00000001
Serial No	0x00000000
ID No	0x <input type="text" value="200"/> <input type="button" value="Change ID"/>

Link

Port A: Port B:

Firmware

Current Firmware: 02.01.11

Firmware

Password

Program Operation

From this window, also can change Firmware of each slave.

Single-Axis Motion | DO | DI | Motion IO | IO List | Information

Slave Information

Vendor	Unknown (0xFA00000)
Device Name	Ezi-SERVO2 EtherCAT
Device Type	Unknown
ProductCode	0x00001002
Revision No	0x00000001
Serial No	0x00000000
ID No	0x 200 <input type="button" value="Change ID"/>

Link

Port A: Port B:

Firmware

Current Firmware: 02.01.11

Firmware

Password

Thank you!

