

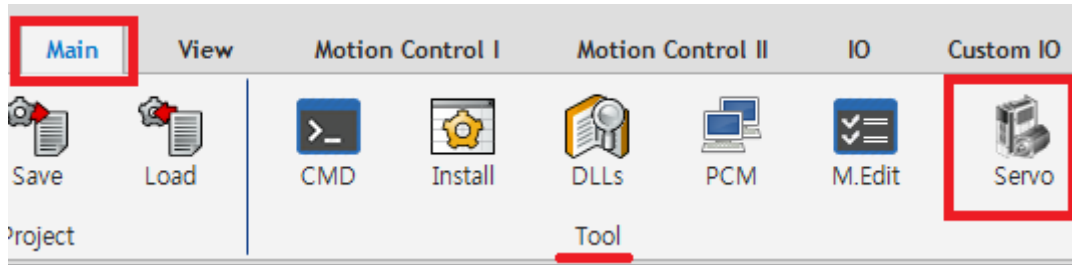
**Case 1** ..... 1

, , , , polarity

× EtherCAT

# Case 1

1 ComilDE Main Servo



2 ( ) ReadOne

The screenshot shows the 'Servo Tune' dialog box. On the left, a tree view shows 'Axis 0 (PANASONIC\_A)' selected and highlighted with a red box. In the top right, the 'Read One' button is highlighted with a red box. Below the buttons is a table of servo parameters.

Item	Name	Minimum	Maximum	Defalut	Servo	Value	Unit
0	제조사 사용	0	1	1			---
1	제어 모드 설정	0	6	0			---
2	실시간 오토튜닝 설정	0	6	1			---
3	실시간 오토튜닝 기계 강성 설정	0	31	13			---
4	관성비	0	10000	250			1%
8	제조사 사용	0	1048576	0			---
9	제조사 사용	0	1073741824	1			---
10	제조사 사용	1	1073741824	1			---
11	지원 없음(모터 1회전당 출력 펄스 수)	1	262144	2500			1 Pulse/r
12	지원 없음(펄스 출력 논리 반전)	0	3	0			---
13	제 1 토크 한계	0	500	500			1%
14	위치 편차 과대 설정	0	134217728	100000			1 Pulse/r
15	앱솔루트 인코더 설정	0	2	1			---
16	회생 저항 외장 설정	0	3	3			---
17	외장 회생 저항 부하를 선택	0	4	0			---
0	제 1 위치 루프 게인	0	30000	480			0.1 /s
1	제 1 속도 루프 게인	1	32767	270			0.1 Hz
2	제 1 속도 루프 적분 시정수	1	10000	210			0.1 ms
3	제 1 속도 검출 필터	0	5	0			---

3 Polarity ↓

Item	Name	Minimum	Maximum	Default	Servo	Value	Unit
43	Polarity	0	255	0	0	0	---
44	Max profile velocity	0	4294967295	104857600	104857600	104857600	1 unit/s
45	Max motor speed	0	4294967295	6000	5000	5000	1 r/min
46	Profile velocity	0	4294967295	0	0	0	1 unit/s
47	End velocity	0	4294967295	0	0	0	1 unit/s
48	Profile acceleration	0	4294967295	1000000	1000000	1000000	1 unit/...
49	Profile deceleration	0	4294967295	1000000	1000000	1000000	1 unit/...
50	Quick stop deceleration	0	4294967295	1000000	1000000	1000000	1 unit/...
51	Motion profile type	-32768	32767	0	983040	983040	---
52	Torque slope	0	4294967295	1000	1000	1000	0,1 %/s
53	Torque profile type	-32768	32767	0	0	0	---
54	Highest sub-index supported	2	2	2	2	2	---
55	Encoder increments	1	4294967295	1048576	1048576	1048576	(-)/(pu...
56	Motor revolutions	1	4294967295	1	1	1	(nm/p)...
60	Number of entries	2	2	2	2	2	---
61	Motor revolutions	1	4294967295	1	1	1	(-)/(r(...
62	Shaft revolutions	1	4294967295	1	1	1	(-)/(r(...
63	Highest sub-index supported	2	2	2	2	2	---
64	Feed	1	4294967295	1048576	1048576	1048576	unit

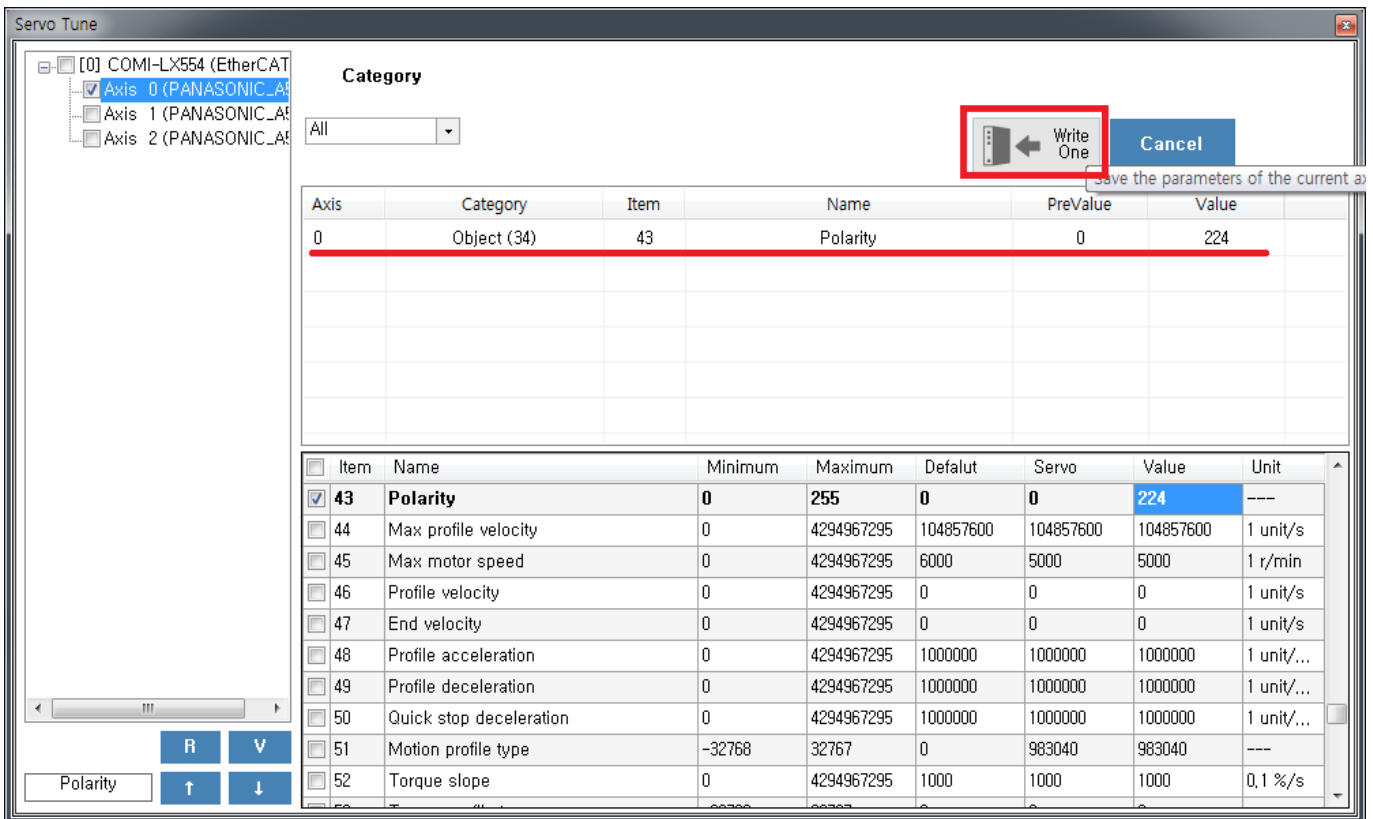
**4 Value**

0	,	,	
224	,	,	

**5 WriteOne**



## 6 WriteOne



## 7 EepRom

Item	Name	Minimum	Maximum	Defalut	Servo	Value	Unit
43	Polarity	0	255	0	224	224	---
44	Max profile velocity	0	4294967295	104857600	104857600	104857600	1 unit/s
45	Max motor speed	0	4294967295	6000	5000	5000	1 r/min
46	Profile velocity	0	4294967295	0	0	0	1 unit/s
47	End velocity	0	4294967295	0	0	0	1 unit/s
48	Profile acceleration	0	4294967295	1000000	1000000	1000000	1 unit/...
49	Profile deceleration	0	4294967295	1000000	1000000	1000000	1 unit/...
50	Quick stop deceleration	0	4294967295	1000000	1000000	1000000	1 unit/...
51	Motion profile type	-32768	32767	0	983040	983040	---
52	Torque slope	0	4294967295	1000	1000	1000	0,1 %/s
53	Torque profile type	-32768	32767	0	0	0	---
54	Highest sub-index supported	2	2	2	2	2	---
55	Encoder increments	1	4294967295	1048576	1048576	1048576	(-)/(pu...
56	Motor revolutions	1	4294967295	1	1	1	(nm/p)...
60	Number of entries	2	2	2	2	2	---
61	Motor revolutions	1	4294967295	1	1	1	(-)/(r(...
62	Shaft revolutions	1	4294967295	1	1	1	(-)/(r(...
63	Highest sub-index supported	2	2	2	2	2	---
64	Feed	1	4294967295	1048576	1048576	1048576	unit

### 8 Log

Time	Channel	Code	Command	Info
16:32:00,425	Servo Tune	100	StateComplete	Param-loading complete
16:34:12,572	Servo Tune	100	ServoParamSet	Param-Writing(1:1) Complete
16:34:42,127	Servo Tune	100	EepOne	Write Complete

x

From:  
<https://www.comizoa.com/info/> - -

Permanent link:  
[https://www.comizoa.com/info/doku.php?id=application:comiide:tool:servotunes:60\\_polarity&rev=1541671748](https://www.comizoa.com/info/doku.php?id=application:comiide:tool:servotunes:60_polarity&rev=1541671748)

Last update: **2024/07/08 18:23**