

EPS Software Reference Manual



4CHANNEL ANALOG OUTPUT MODULE

EPS-AO04I (v1.00)

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1. EtherCAT Object

▣ 1.1 PDO Mapping

Index	Type	Value	Name	Bit Len	Data Type
0x1600	AO Channel	0x7000 : 01	AO Ch.0	16	UINT16
		0x7010 : 01	AO Ch.1	16	UINT16
		0x7020 : 01	AO Ch.2	16	UINT16
		0x7020 : 03	AO Ch.3	16	UINT16

Index	Type	Value	Name	Bit Len	Data Type
0x1A10	Board Temp	0x6100 : 00	Value	32	UINT32

1.2 Standard SDO Object

Index	SubIndex	Name	Value	Data Type	Flags
0x1000	-	Device type	0x012C1389	UINT32	RO
0x1008	-	Device name	EPS-A004I	STRING	RO
0x1009	-	Hardware version	-	STRING	RO
0x100A	-	Software version	-	STRING	RO
0x1018	0	Identity	4	UINT8	RO
	1	Vendor ID	0xAAAAAAAA	UINT32	RO
	2	Product code	0x50321344	UINT32	RO
	3	Revision	-	UINT32	RO
	4	Serial number	-	UINT32	RO
0x1C00	0	Sync manager type	4	UINT8	RO
	1	SubIndex 001	0x01(1)	UINT32	RO
	2	SubIndex 002	0x02(2)	UINT32	RO
	3	SubIndex 003	0x03(3)	UINT32	RO
	4	SubIndex 004	0x04(4)	UINT32	RO
0x1C12	0	RxPDO assign	0	UINT8	RO
	1	SubIndex 001	0x1600	UINT16	RO
0x1C13	0	TxPDO assign	1	UINT8	RO
	1	SubIndex 001	0x1A10	UINT16	RO
0x1600	0	RxPDO Mapping	4	UINT8	RO
	1	SubIndex 001	0x7000:01, 16	UINT32	RO
	2	SubIndex 002	0x7010:01, 16	UINT32	RO
	3	SubIndex 003	0x7020:01, 16	UINT32	RO
	4	SubIndex 004	0x7030:01, 16	UINT32	RO
0x1A10	0	TxPDO Mapping	1	UINT8	RO
	1	Board Temp	0x6100:00, 32	UINT32	RO

1.3 Specific SDO Object
▶ 0x70n0 Analog Channel Output (n = 0~3)

Index	SubIndex	Name	Value	Data Type	Flags
0x70n0 (n = 0~3)	0	Analog Output	1	UINT8	RO
	1	Value	출력 할 전류 값을 표시합니다. Ex) Value 12340 = 12.34mA ※ 전압 모드는 현재 지원하지 않습니다.	UINT16	RO

▶ 0x6100 Board Temp

Index	Type	Value	Name	Bit Len	Data Type
0x1A10	Board Temp	0x6100 : 00	Value	32	UINT32

▶ 0x80n0 Analog Output Channel Setting (n = 0~3)

Index	SubIndex	Name	Value	Data Type	Flags
0x80n0 (n = 0~3)	0	AO Setting	2	UINT8	RO
	1	Analog Type	0	UINT16	RW
			1		
2	Offset	User Offset 값	INT16	RW	

▶ 0xF001 Setting Save Flag

Index	SubIndex	Name	Value	Data Type	Flags
0xF001	-	Setting Save Flag	AD Setting 정보를 Flash에 저장합니다.	UINT16	RO
			0 → 1		

Software Reference Manual Update List

No.	Version	Date	Changes in
1	1.00	2015.05.27	First Edition

SRC Reference Manual

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