

CANopen device documentation

dm_slave

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目录
CANopen device documentation
Device Information
Supported Baud rates
PDO Mapping
RPDO 0x1400
RPDO 0x1401
TPDO 0x1800
TPDO 0x1801
Communication Specific Parameters
0x1000 - Device type
0x1001 - Error register
0x1003 - Pre-defined error field
0x1005 - COB-ID SYNC message
0x1006 - Communication cycle period
0x1007 - Synchronous window length
0x1008 - Manufacturer device name
0x1009 - Manufacturer hardware version
0x100A - Manufacturer software version
0x100C - Guard time
0x100D - Life time factor
0x1010 - Store parameters
0x1011 - Restore default parameters
0x1012 - COB-ID time stamp object
0x1014 - COB-ID EMCY
0x1015 - Inhibit time EMCY
0x1016 - Consumer heartbeat time
0x1017 - Producer heartbeat time
0x1018 - Identity
0x1019 - Synchronous counter overflow value
0x1029 - Error behavior object
0x1200 - SDO server parameter
0x1280 - SDO client parameter
No. 1 / 25

0x1400 - RPDO communication parameter
0x1401 - RPDO communication parameter
0x1402 - RPDO communication parameter
0x1403 - RPDO communication parameter
0x1600 - RPDO mapping parameter
0x1601 - RPDO mapping parameter
0x1602 - RPDO mapping parameter
0x1603 - RPDO mapping parameter
0x1800 - TPDO communication parameter
0x1801 - TPDO communication parameter
0x1802 - TPDO communication parameter
0x1803 - TPDO communication parameter
0x1A00 - TPDO mapping parameter
0x1A01 - TPDO mapping parameter
0x1A02 - TPDO mapping parameter
0x1A03 - TPDO mapping parameter

Manufacturer Specific Parameters

0x2000 - Motor ver parameter
0x2001 - Driver parameter
0x2002 - Motor parameter
0x2003 - Communication parameter
0x2004 - Current control parameter
0x2005 - Speed control parameter
0x2006 - Position control parameter
0x2008 - IIT over current detection
0x2009 - Voltage detection
0x200A - temperature detection
0x200B - Driver

Device Profile Specific Parameters

0x603F - Error code
0x6040 - Controlword
0x6041 - Statusword
0x605A - Quick stop option code
0x6060 - Modes of operation
0x6061 - Modes of operation display
0x6062 - Position demand value
0x6064 - Position actual value
0x6065 - Following error window
0x6067 - Position window
0x6068 - Position window time
0x606B - Velocity demand value
0x606C - Velocity actual value
0x606D - Velocity window
0x606E - Velocity window time
0x606F - Velocity threshold
0x6071 - Target Torque
0x6072 - Max Torque
0x6077 - Torque Actual Value
0x6078 - Current actual value
0x607A - Target position
0x607E - Polarity
0x6080 - Max motor speed
0x6083 - Profile acceleration
0x6084 - Profile deceleration

0x6085 - Quick stop deceleration
0x6086 - Motion profile type
0x6087 - Torque Slope
0x60F4 - Following error actual value
0x60FF - Target velocity

Device Information

Vendor Name	
Vendor ID	
Product Name	dm_slave
Product ID	
Granularity	8
RPDO count	4
TPDO count	4
LSS Slave	False
LSS Master	False
NG Slave	False
NG Master	False

Supported Baud rates

- ☐ 10 kBit/s
- ☐ 20 kBit/s
- ☐ 50 kBit/s
- ☒ 125 kBit/s
- ☒ 250 kBit/s
- ☒ 500 kBit/s
- ☐ 800 kBit/s
- ☒ 1000 kBit/s
- ☐ auto

PDO Mapping

RPDO 0x1400

COB_ID	\$NODEID+0x200
Transmission	type=254

0x60400010	Controlword
0x60600010	Modes of operation
0x60710020	Target Torque

≡ RPDO 0x1401

COB_ID	\$NODEID+0x300
Transmission	type=254
0x60FF0020	Target velocity
0x607A0020	Target position

≡ TPDO 0x1800

COB_ID	\$NODEID+0xC0000180
Transmission	type=255; inhibit-time=1; event-timer=0
0x60410010	Statusword
0x60610010	Modes of operation display
0x60770020	Torque Actual Value

≡ TPDO 0x1801

COB_ID	\$NODEID+0xC0000280
Transmission	type=255; inhibit-time=1; event-timer=0
0x606C0020	Velocity actual value
0x60640020	Position actual value

Communication Specific Parameters

≡ 0x1000 - Device type

Object Type	Count Label	Storage Group
VAR	NMT	PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	ro	no	no	0x30000

0x1001 - Error register

Object Type	Count Label		Storage Group	
VAR	EM		RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED8	ro	tr	no	0x00

0x1003 - Pre-defined error field

Object Type	Count Label		Storage Group	
ARRAY			RAM	

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of errors	UNSIGNED8	rw	no	no	
0x01	Standard error field	UNSIGNED32	ro	no	no	
0x02	Standard error field	UNSIGNED32	ro	no	no	
0x03	Standard error field	UNSIGNED32	ro	no	no	
0x04	Standard error field	UNSIGNED32	ro	no	no	
0x05	Standard error field	UNSIGNED32	ro	no	no	
0x06	Standard error field	UNSIGNED32	ro	no	no	
0x07	Standard error field	UNSIGNED32	ro	no	no	
0x08	Standard error field	UNSIGNED32	ro	no	no	
0x09	Standard error field	UNSIGNED32	ro	no	no	
0x0A	Standard error field	UNSIGNED32	ro	no	no	

0x1005 - COB-ID SYNC message

Object Type	Count Label		Storage Group	
VAR	SYNC		PERSIST_COMM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0x00000080

0x1006 - Communication cycle period

Object Type	Count Label		Storage Group	
VAR	SYNC_PROD		PERSIST_COMM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0

0x1007 - Synchronous window length

Object Type	Count Label		Storage Group	
VAR			PERSIST_COMM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0

0x1008 - Manufacturer device name

Object Type	Count Label		Storage Group	
VAR			PERSIST_COMM	

Data Type	SDO	PDO	SRDO	Default Value
VISIBLE_STRING	ro	no	no	

0x1009 - Manufacturer hardware version

Object Type	Count Label		Storage Group	
VAR			PERSIST_COMM	

Data Type	SDO	PDO	SRDO	Default Value
VISIBLE_STRING	ro	no	no	

0x100A - Manufacturer software version

Object Type	Count Label		Storage Group	
VAR			PERSIST_COMM	

Data Type	SDO	PDO	SRDO	Default Value
VISIBLE_STRING	ro	no	no	

0x100C - Guard time

Object Type	Count Label		Storage Group	
VAR			PERSIST_COMM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	no	no	0

0x100D - Life time factor

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED8	rw	no	no	0

0x1010 - Store parameters

Object Type	Count Label	Storage Group
ARRAY	STORAGE	RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Save all parameters	UNSIGNED32	rw	no	no	0x00000001
0x02	Save communication parameters	UNSIGNED32	rw	no	no	0x00000001
0x03	Save application parameters	UNSIGNED32	rw	no	no	0x00000001
0x04	Save manufacturer defined parameters	UNSIGNED32	rw	no	no	0x00000001

0x1011 - Restore default parameters

Object Type	Count Label	Storage Group
ARRAY		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Restore all default parameters	UNSIGNED32	rw	no	no	0x00000001
0x02	Restore communication default parameters	UNSIGNED32	rw	no	no	0x00000001
0x03	Restore application default parameters	UNSIGNED32	rw	no	no	0x00000001
0x04	Restore manufacturer defined default parameters	UNSIGNED32	rw	no	no	0x00000001

0x1012 - COB-ID time stamp object

Object Type	Count Label	Storage Group
VAR	TIME	PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0x00000100

0x1014 - COB-ID EMCY

Object Type	Count Label	Storage Group
VAR	EM_PROD	PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	\$NODEID+0x80

0x1015 - Inhibit time EMCY

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	no	no	0

0x1016 - Consumer heartbeat time

Object Type	Count Label	Storage Group
ARRAY	HB_CONS	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Consumer heartbeat time	UNSIGNED32	rw	no	no	0x00000000
0x02	Consumer heartbeat time	UNSIGNED32	rw	no	no	0x00000000
0x03	Consumer heartbeat time	UNSIGNED32	rw	no	no	0x00000000
0x04	Consumer heartbeat time	UNSIGNED32	rw	no	no	0x00000000

0x1017 - Producer heartbeat time

Object Type	Count Label	Storage Group
VAR	HB_PROD	PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	no	no	5000

0x1018 - Identity

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Vendor-ID	UNSIGNED32	ro	no	no	0x00000000
0x02	Product code	UNSIGNED32	ro	no	no	0x00000000
0x03	Revision number	UNSIGNED32	ro	no	no	0x00000000
0x04	Serial number	UNSIGNED32	ro	no	no	0x00000000

0x1019 - Synchronous counter overflow value

Object Type	Count Label	Storage Group
VAR		PERSIST_COMM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED8	rw	no	no	240

0x1029 - Error behavior object

Object Type	Count Label	Storage Group
ARRAY		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	Communication error	UNSIGNED8	rw	no	no	0x01
0x02	Profile- or manufacturer-specific error	UNSIGNED8	rw	no	no	0x01

0x1200 - SDO server parameter

Object Type	Count Label	Storage Group
RECORD	SDO_SRV	RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	2
0x01	COB-ID client to server (rx)	UNSIGNED32	ro	tr	no	\$NODEID+0x600
0x02	COB-ID server to client (tx)	UNSIGNED32	ro	tr	no	\$NODEID+0x580

0x1280 - SDO client parameter

Object Type	Count Label	Storage Group
RECORD	SDO_CLI	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x03
0x01	COB-ID client to server (tx)	UNSIGNED32	rw	tr	no	0x80000000
0x02	COB-ID server to client (rx)	UNSIGNED32	rw	tr	no	0x80000000
0x03	Node-ID of the SDO server	UNSIGNED8	rw	no	no	0x01

0x1400 - RPDO communication parameter

Object Type	Count Label	Storage Group
RECORD	RPDO	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x05
0x01	COB-ID used by RPDO	UNSIGNED32	rw	no	no	\$NODEID+0x200
0x02	Transmission type	UNSIGNED8	rw	no	no	254
0x05	Event timer	UNSIGNED16	rw	no	no	0

0x1401 - RPDO communication parameter

Object Type	Count Label	Storage Group
RECORD	RPDO	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x05
0x01	COB-ID used by RPDO	UNSIGNED32	rw	no	no	\$NODEID+0x300
0x02	Transmission type	UNSIGNED8	rw	no	no	254
0x05	Event timer	UNSIGNED16	rw	no	no	0

0x1402 - RPDO communication parameter

Object Type	Count Label	Storage Group
RECORD	RPDO	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x05
0x01	COB-ID used by RPDO	UNSIGNED32	rw	no	no	\$NODEID+0x80000400
0x02	Transmission type	UNSIGNED8	rw	no	no	254
0x05	Event timer	UNSIGNED16	rw	no	no	0

0x1403 - RPDO communication parameter

Object Type	Count Label	Storage Group
RECORD	RPDO	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x05
0x01	COB-ID used by RPDO	UNSIGNED32	rw	no	no	\$NODEID+0x80000500
0x02	Transmission type	UNSIGNED8	rw	no	no	254
0x05	Event timer	UNSIGNED16	rw	no	no	0

0x1600 - RPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	3
0x01	Application object 1	UNSIGNED32	rw	no	no	0x60400010
0x02	Application object 2	UNSIGNED32	rw	no	no	0x60600010
0x03	Application object 3	UNSIGNED32	rw	no	no	0x60710020
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

0x1601 - RPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	2

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x01	Application object 1	UNSIGNED32	rw	no	no	0x60FF0020
0x02	Application object 2	UNSIGNED32	rw	no	no	0x607A0020
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

0x1602 - RPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	0
0x01	Application object 1	UNSIGNED32	rw	no	no	0x00000000
0x02	Application object 2	UNSIGNED32	rw	no	no	0x00000000
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

0x1603 - RPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	0
0x01	Application object 1	UNSIGNED32	rw	no	no	0x00000000
0x02	Application object 2	UNSIGNED32	rw	no	no	0x00000000
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

0x1800 - TPDO communication parameter

Object Type	Count Label	Storage Group
RECORD	TPDO	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x06
0x01	COB-ID used by TPDO	UNSIGNED32	rw	no	no	\$NODEID+0xC0000180
0x02	Transmission type	UNSIGNED8	rw	no	no	255
0x03	Inhibit time	UNSIGNED16	rw	no	no	1
0x05	Event timer	UNSIGNED16	rw	no	no	0
0x06	SYNC start value	UNSIGNED8	rw	no	no	0

0x1801 - TPDO communication parameter

Object Type	Count Label	Storage Group
RECORD	TPDO	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x06
0x01	COB-ID used by TPDO	UNSIGNED32	rw	no	no	\$NODEID+0xC0000280
0x02	Transmission type	UNSIGNED8	rw	no	no	255
0x03	Inhibit time	UNSIGNED16	rw	no	no	1
0x05	Event timer	UNSIGNED16	rw	no	no	0
0x06	SYNC start value	UNSIGNED8	rw	no	no	0

0x1802 - TPDO communication parameter

Object Type	Count Label	Storage Group
RECORD	TPDO	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x06
0x01	COB-ID used by TPDO	UNSIGNED32	rw	no	no	\$NODEID+0xC0000380
0x02	Transmission type	UNSIGNED8	rw	no	no	255
0x03	Inhibit time	UNSIGNED16	rw	no	no	0
0x05	Event timer	UNSIGNED16	rw	no	no	0
0x06	SYNC start value	UNSIGNED8	rw	no	no	0

0x1803 - TPDO communication parameter

Object Type	Count Label	Storage Group
RECORD	TPDO	PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x06
0x01	COB-ID used by TPDO	UNSIGNED32	rw	no	no	\$NODEID+0xC0000480
0x02	Transmission type	UNSIGNED8	rw	no	no	255
0x03	Inhibit time	UNSIGNED16	rw	no	no	0
0x05	Event timer	UNSIGNED16	rw	no	no	0
0x06	SYNC start value	UNSIGNED8	rw	no	no	0

0x1A00 - TPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	3
0x01	Application object 1	UNSIGNED32	rw	no	no	0x60410010
0x02	Application object 2	UNSIGNED32	rw	no	no	0x60610010
0x03	Application object 3	UNSIGNED32	rw	no	no	0x60770020
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

0x1A01 - TPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	2
0x01	Application object 1	UNSIGNED32	rw	no	no	0x606C0020
0x02	Application object 2	UNSIGNED32	rw	no	no	0x60640020
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

0x1A02 - TPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	0
0x01	Application object 1	UNSIGNED32	rw	no	no	0x00000000
0x02	Application object 2	UNSIGNED32	rw	no	no	0x00000000
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

0x1A03 - TPDO mapping parameter

Object Type	Count Label	Storage Group
RECORD		PERSIST_COMM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Number of mapped application objects in PDO	UNSIGNED8	rw	no	no	0
0x01	Application object 1	UNSIGNED32	rw	no	no	0x00000000
0x02	Application object 2	UNSIGNED32	rw	no	no	0x00000000
0x03	Application object 3	UNSIGNED32	rw	no	no	0x00000000
0x04	Application object 4	UNSIGNED32	rw	no	no	0x00000000
0x05	Application object 5	UNSIGNED32	rw	no	no	0x00000000
0x06	Application object 6	UNSIGNED32	rw	no	no	0x00000000
0x07	Application object 7	UNSIGNED32	rw	no	no	0x00000000
0x08	Application object 8	UNSIGNED32	rw	no	no	0x00000000

Manufacturer Specific Parameters

0x2000 - Motor ver parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Motor model	VISIBLE_STRING	ro	no	no	DM4310
0x02	Encoder ver	VISIBLE_STRING	ro	no	no	MA702
0x03	motor ver	UNSIGNED16	ro	no	no	11
0x04	motor type	VISIBLE_STRING	ro	no	no	JointMotor

0x2001 - Driver parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Software ver	UNSIGNED32	ro	no	no	5051
0x02	Hardware ver	UNSIGNED32	ro	no	no	3
0x03	Voltage max	UNSIGNED32	ro	no	no	30
0x04	Current max	UNSIGNED32	ro	no	no	10

0x2002 - Motor parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x0E
0x01	Rated voltage	UNSIGNED32	ro	no	no	0x41C00000
0x02	Rated current	UNSIGNED32	ro	no	no	0x40E00000
0x03	Rated torque	UNSIGNED32	ro	no	no	0x40400000
0x04	Rated speed	UNSIGNED32	ro	no	no	0x42F00000
0x05	KE	UNSIGNED32	ro	no	no	0
0x06	KT	UNSIGNED32	ro	no	no	0

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x07	KV	UNSIGNED32	ro	no	no	0
0x08	Rs	UNSIGNED32	rw	no	no	0x3F59999A
0x09	Ls	UNSIGNED32	rw	no	no	0x39B4E11E
0x0A	Flux	UNSIGNED32	rw	no	no	0x3B9374BC
0x0B	Pa.s	UNSIGNED32	rw	no	no	0x38C308FF
0x0C	Jx	UNSIGNED32	rw	no	no	0x3796FEB5
0x0D	Pn	UNSIGNED32	rw	no	no	14
0x0E	Gr	UNSIGNED32	ro	no	no	10

0x2003 - Communication parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	CAN Node-ID	UNSIGNED32	rw	no	no	1
0x02	CAN communication speed	UNSIGNED32	rw	no	no	8
0x03	CANopen sync error	UNSIGNED32	rw	no	no	0
0x04	CAN res	UNSIGNED32	rw	no	no	0

0x2004 - Current control parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x03
0x01	KP	UNSIGNED32	rw	no	no	0
0x02	KI	UNSIGNED32	rw	no	no	0
0x03	Bandwidth	UNSIGNED32	rw	no	no	0x447A0000

0x2005 - Speed control parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x03
0x01	KP	UNSIGNED32	rw	no	no	0x3ECCCCCD
0x02	KI	UNSIGNED32	rw	no	no	0x3B03126F
0x03	Damping factor	UNSIGNED32	rw	no	no	0x40800000

0x2006 - Position control parameter

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	KP	UNSIGNED32	rw	no	no	0x42580000
0x02	KI	UNSIGNED32	rw	no	no	0

0x2008 - IIT over current detection

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	Over current threshold	UNSIGNED32	rw	no	no	0x3F4CCCCD
0x02	Over current count	UNSIGNED32	rw	no	no	0

0x2009 - Voltage detection

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	over voltage	UNSIGNED32	rw	no	no	0x42000000
0x02	under voltage	UNSIGNED32	rw	no	no	0x41700000

0x200A - temperature detection

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x04
0x01	Mos temperature	UNSIGNED32	rw	no	no	0
0x02	Motor temperature	UNSIGNED32	rw	no	no	0
0x03	Mos temperature limit	UNSIGNED32	rw	no	no	0x42C80000
0x04	Motor temperature limit	UNSIGNED32	rw	no	no	0x42C80000

0x200B - Driver

Object Type	Count Label	Storage Group
RECORD		RAM

Sub	Name	Data Type	SDO	PDO	SRDO	Default Value
0x00	Highest sub-index supported	UNSIGNED8	ro	no	no	0x02
0x01	Clear fault	UNSIGNED32	rw	no	no	0
0x02	Save zero	UNSIGNED32	rw	no	no	0

Device Profile Specific Parameters

0x603F - Error code

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	ro	tr	no	0

0x6040 - Controlword

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	r	no	0

0x6041 - Statusword

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	ro	tr	no	0

0x605A - Quick stop option code

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	2

0x6060 - Modes of operation

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	rw	r	no	0

0x6061 - Modes of operation display

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED16	ro	tr	no	0

0x6062 - Position demand value

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

0x6064 - Position actual value

Object Type	Count Label			Storage Group
VAR				RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

0x6065 - Following error window

Object Type	Count Label			Storage Group
VAR				RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3F000000

0x6067 - Position window

Object Type	Count Label			Storage Group
VAR				RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3DCCCCCD

0x6068 - Position window time

Object Type	Count Label			Storage Group
VAR				RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3E4CCCCD

0x606B - Velocity demand value

Object Type	Count Label			Storage Group
VAR				RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

0x606C - Velocity actual value

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

0x606D - Velocity window

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3F000000

0x606E - Velocity window time

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3DCCCCCD

0x606F - Velocity threshold

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3F000000

0x6071 - Target Torque

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	rw	r	no	0x0

0x6072 - Max Torque

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x40E00000

0x6077 - Torque Actual Value

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

0x6078 - Current actual value

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	rw	no	no	0

0x607A - Target position

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	rw	r	no	0x00000000

0x607E - Polarity

Object Type	Count Label		Storage Group	
VAR			RAM	

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	1

0x6080 - Max motor speed

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	no	no	0x44160000

0x6083 - Profile acceleration

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x44FA0000

0x6084 - Profile deceleration

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x44FA0000

0x6085 - Quick stop deceleration

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x461C4000

0x6086 - Motion profile type

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	tr	no	0

0x6087 - Torque Slope

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
UNSIGNED32	rw	r	no	0x3F800000

0x60F4 - Following error actual value

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	ro	tr	no	0

0x60FF - Target velocity

Object Type	Count Label	Storage Group
VAR		RAM

Data Type	SDO	PDO	SRDO	Default Value
INTEGER32	rw	r	no	0x000000000