

STM32G431 Nucleo Shield Documentation

Device Information

Product name	STM32G431 Nucleo Shield
Product number	0001
Revision number	0
Vendor name	00

Mandatory objects

0x1000 - Device type

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000012
Location	PERSIST_COMM
Access type	ro
PDO mapping	False
No Sub index	0

- * bit 16-31: Additional information
 - * bit 0-15: Device profile number
-

0x1001 - Error register

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x00
Location	RAM
Access type	ro
PDO mapping	True
No Sub index	0

- * bit 7: manufacturer specific
 - * bit 6: Reserved (always 0)
 - * bit 5: device profile specific
 - * bit 4: communication error (overrun, error state)
 - * bit 3: temperature
 - * bit 2: voltage
 - * bit 1: current
 - * bit 0: generic error
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0x1018 - Identity

Parameter	Value
Object Type	RECORD
Data Type	INTEGER32
Default Value	
Location	PERSIST_COMM
Access type	ro
PDO mapping	False

No Sub index	5
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- * Vendor-ID, assigned by CiA
- * Product code, manufacturer specific
- * Revision number:
 - * bit 16-31: Major revision number (CANopen behavior has changed)
 - * bit 0-15: Minor revision num. (CANopen behavior has not changed)
- * Serial number, manufacturer specific

0x1018 sub 0x00 - Highest sub-index supported

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x04
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1018 sub 0x01 - Vendor-ID

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1018 sub 0x02 - Product code

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1018 sub 0x03 - Revision number

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1018 sub 0x04 - Serial number

Parameter	Value

Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

Optional objects

0x1003 - Pre-defined error field

Parameter	Value
Object Type	ARRAY
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	17

- * Sub Index 0: Contains number of actual errors. 0 can be written to clear error history.
- * sub-index 1 and above:
 - * bit 16-31: Manufacturer specific additional information
 - * bit 0-15: Error code as transmitted in the Emergency object

0x1003 sub 0x00 - Number of errors

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1003 sub 0x01 - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x02 - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	

Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x03 - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x04 - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x05 - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x06 - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x07 - Standard error field

Parameter	Value
Object Type	VAR

Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x08 - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x09 - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x0a - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x0b - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x0c - Standard error field

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Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x0d - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x0e - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x0f - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1003 sub 0x10 - Standard error field

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1005 - COB-ID SYNC message

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000080
Location	PERSIST_COMM
Access type	rw
PDO mapping	False
No Sub index	0

- * bit 31: set to 0
- * bit 30: If set, CANopen device generates SYNC object
- * bit 11-29: set to 0
- * bit 0-10: 11-bit CAN-ID

0x1006 - Communication cycle period

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0
Location	PERSIST_COMM
Access type	rw
PDO mapping	False
No Sub index	0

Period of SYNC transmission in μs (0 = transmission disabled).

0x1007 - Synchronous window length

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0
Location	PERSIST_COMM
Access type	rw
PDO mapping	False
No Sub index	0

Synchronous window length in μs (0 = not used). All synchronous PDOs must be transmitted within this time window.

0x1010 - Store parameters

Parameter	Value
Object Type	ARRAY
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	5

- Sub-indexes 1 and above:
- * Reading provides information about its storage functionality:

- * bit 1: If set, CANopen device saves parameters autonomously
- * bit 0: If set, CANopen device saves parameters on command
- * Writing value 0x65766173 ('s','a','v','e' from LSB to MSB) stores corresponding data.

0x1010 sub 0x00 - Highest sub-index supported

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x04
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1010 sub 0x01 - Save all parameters

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000001
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1010 sub 0x02 - Save communication parameters

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000001
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1010 sub 0x03 - Save application parameters

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000001
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1010 sub 0x04 - Save manufacturer defined parameters

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000001

Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1011 - Restore default parameters

Parameter	Value
Object Type	ARRAY
Data Type	UNSIGNED32
Default Value	
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	5

Sub-indexes 1 and above:

* Reading provides information about its restoring capability:

* bit 0: If set, CANopen device restores parameters

* Writing value 0x64616F6C ('l','o','a','d' from LSB to MSB) restores corresponding data.

0x1011 sub 0x00 - Highest sub-index supported

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x04
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1011 sub 0x01 - Restore all default parameters

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000001
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1011 sub 0x02 - Restore communication default parameters

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000001
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1011 sub 0x03 - Restore application default parameters

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000001
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1011 sub 0x04 - Restore manufacturer defined default parameters

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000001
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1012 - COB-ID time stamp object

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000100
Location	PERSIST_COMM
Access type	rw
PDO mapping	False
No Sub index	0

- * bit 31: If set, CANopen device consumes TIME message
- * bit 30: If set, CANopen device produces TIME message
- * bit 11-29: set to 0
- * bit 0-10: 11-bit CAN-ID

0x1014 - COB-ID EMCY

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x80+\$NODEID
Location	PERSIST_COMM
Access type	rw
PDO mapping	False
No Sub index	0

- * bit 31: If set, EMCY does NOT exist / is NOT valid
- * bit 11-30: set to 0
- * bit 0-10: 11-bit CAN-ID

0x1015 - Inhibit time EMCY

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED16
Default Value	0
Location	PERSIST_COMM
Access type	rw
PDO mapping	False
No Sub index	0

Inhibit time of emergency message in multiples of 100 μ s. The value 0 disables the inhibit time.

0x1016 - Consumer heartbeat time

Parameter	Value
Object Type	ARRAY
Data Type	UNSIGNED32
Default Value	
Location	PERSIST_COMM
Access type	rw
PDO mapping	False
No Sub index	9

Consumer Heartbeat Time:

- * bit 24-31: set to 0
- * bit 16-23: Node ID of the monitored node. If 0 or greater than 127, sub-entry is not used.
- * bit 0-15: Heartbeat time in ms (if 0, sub-intry is not used). Value should be higher than the corresponding producer heartbeat time.

0x1016 sub 0x00 - Highest sub-index supported

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x08
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1016 sub 0x01 - Consumer heartbeat time

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1016 sub 0x02 - Consumer heartbeat time

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000

Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1016 sub 0x03 - Consumer heartbeat time

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1016 sub 0x04 - Consumer heartbeat time

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1016 sub 0x05 - Consumer heartbeat time

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1016 sub 0x06 - Consumer heartbeat time

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1016 sub 0x07 - Consumer heartbeat time

Parameter	Value
Object Type	VAR

Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1016 sub 0x08 - Consumer heartbeat time

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1017 - Producer heartbeat time

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED16
Default Value	1000
Location	PERSIST_COMM
Access type	rw
PDO mapping	False
No Sub index	0

Heartbeat producer time in ms (0 = disable transmission).

0x1019 - Synchronous counter overflow value

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0
Location	PERSIST_COMM
Access type	rw
PDO mapping	False
No Sub index	0

- * Value 0: SYNC message is transmitted with data length 0.
- * Value 1: reserved.
- * Value 2-240: SYNC message has one data byte, which contains the counter.
- * Value 241-255: reserved.

0x1200 - SDO server parameter

Parameter	Value
Object Type	RECORD
Data Type	INTEGER32
Default Value	
Location	RAM

Access type	ro
PDO mapping	False
No Sub index	3

Sub-indexes 1 and 2:

* bit 11-31: set to 0

* bit 0-10: 11-bit CAN-ID

0x1200 sub 0x00 - Highest sub-index supported

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	2
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1200 sub 0x01 - COB-ID client to server (rx)

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x600+\$NODEID
Location	RAM
Access type	ro
PDO mapping	True
No Sub index	0

0x1200 sub 0x02 - COB-ID server to client (tx)

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x580+\$NODEID
Location	RAM
Access type	ro
PDO mapping	True
No Sub index	0

0x1280 - SDO client parameter

Parameter	Value
Object Type	RECORD
Data Type	INTEGER32
Default Value	
Location	PERSIST_COMM
Access type	ro
PDO mapping	False
No Sub index	4

* Sub-indexes 1 and 2:

* bit 31: If set, SDO does NOT exist / is NOT valid

* bit 30: If set, value is assigned dynamically

- * bit 11-29: set to 0
- * bit 0-10: 11-bit CAN-ID
- * Node-ID of the SDO server, 0x01 to 0x7F

0x1280 sub 0x00 - Highest sub-index supported

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x03
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1280 sub 0x01 - COB-ID client to server (tx)

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x80000000
Location	RAM
Access type	rw
PDO mapping	True
No Sub index	0

0x1280 sub 0x02 - COB-ID server to client (rx)

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x80000000
Location	RAM
Access type	rw
PDO mapping	True
No Sub index	0

0x1280 sub 0x03 - Node-ID of the SDO server

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x01
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1400 - RPDO communication parameter

Parameter	Value
Object Type	RECORD
Data Type	INTEGER32
Default Value	

Location	PERSIST_COMM
Access type	ro
PDO mapping	False
No Sub index	4

0x1400 sub 0x00 - Highest sub-index supported

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x05
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1400 sub 0x01 - COB-ID used by RPDO

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x200
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1400 sub 0x02 - Transmission type

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	254
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1400 sub 0x05 - Event timer

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED16
Default Value	0
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1600 - RPDO mapping parameter

Parameter	Value

Object Type	RECORD
Data Type	INTEGER32
Default Value	
Location	PERSIST_COMM
Access type	ro
PDO mapping	False
No Sub index	9

0x1600 sub 0x00 - Number of mapped application objects in PDO

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	1
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1600 sub 0x01 - Application object 1

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x62000108
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1600 sub 0x02 - Application object 2

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1600 sub 0x03 - Application object 3

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1600 sub 0x04 - Application object 4

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1600 sub 0x05 - Application object 5

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1600 sub 0x06 - Application object 6

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1600 sub 0x07 - Application object 7

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1600 sub 0x08 - Application object 8

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1800 - TPDO communication parameter

Parameter	Value
Object Type	RECORD
Data Type	INTEGER32
Default Value	
Location	PERSIST_COMM
Access type	ro
PDO mapping	False
No Sub index	6

0x1800 sub 0x00 - Highest sub-index supported

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x06
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x1800 sub 0x01 - COB-ID used by TPDO

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x380
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1800 sub 0x02 - Transmission type

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	254
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1800 sub 0x03 - Inhibit time

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED16
Default Value	0
Location	RAM
Access type	rw

PDO mapping	False
No Sub index	0

0x1800 sub 0x05 - Event timer

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED16
Default Value	1000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1800 sub 0x06 - SYNC start value

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1a00 - TPDO mapping parameter

Parameter	Value
Object Type	RECORD
Data Type	INTEGER32
Default Value	
Location	PERSIST_COMM
Access type	ro
PDO mapping	False
No Sub index	9

0x1a00 sub 0x00 - Number of mapped application objects in PDO

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	6
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1a00 sub 0x01 - Application object 1

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32

Default Value	0x64010110
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1a00 sub 0x02 - Application object 2

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x64010210
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1a00 sub 0x03 - Application object 3

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x60000108
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1a00 sub 0x04 - Application object 4

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00020008
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1a00 sub 0x05 - Application object 5

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00020008
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1a00 sub 0x06 - Application object 6

Parameter	Value

Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00020008
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1a00 sub 0x07 - Application object 7

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x1a00 sub 0x08 - Application object 8

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED32
Default Value	0x00000000
Location	RAM
Access type	rw
PDO mapping	False
No Sub index	0

0x6000 - Read Input 8 Bit

Parameter	Value
Object Type	ARRAY
Data Type	UNSIGNED8
Default Value	
Location	RAM
Access type	ro
PDO mapping	True
No Sub index	2

0x6000 sub 0x00 - Number of Elements

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x01
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x6000 sub 0x01 - DigInput8

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	67
Location	RAM
Access type	ro
PDO mapping	True
No Sub index	0

0x6200 - Write Output 8 Bit

Parameter	Value
Object Type	ARRAY
Data Type	UNSIGNED8
Default Value	
Location	RAM
Access type	rww
PDO mapping	True
No Sub index	2

0x6200 sub 0x00 - Number of Elements

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0x01
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x6200 sub 0x01 - DigOutput8

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	0
Location	RAM
Access type	rww
PDO mapping	True
No Sub index	0

0x6401 - Read Analogue Input 16 Bit

Parameter	Value
Object Type	ARRAY
Data Type	UNSIGNED16
Default Value	
Location	RAM

Access type	rwr
PDO mapping	True
No Sub index	5

0x6401 sub 0x00 - Number of Elements

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED8
Default Value	4
Location	RAM
Access type	ro
PDO mapping	False
No Sub index	0

0x6401 sub 0x01 - AnalogueInput_P1

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED16
Default Value	0x1234
Location	RAM
Access type	rwr
PDO mapping	True
No Sub index	0

0x6401 sub 0x02 - AnalogueInput_P2

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED16
Default Value	0x5678
Location	RAM
Access type	rwr
PDO mapping	True
No Sub index	0

0x6401 sub 0x03 - AnalogueInput16_b

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED16
Default Value	0
Location	RAM
Access type	rwr
PDO mapping	True
No Sub index	0

0x6401 sub 0x04 - AnalogueInput16_c

Parameter	Value
Object Type	VAR
Data Type	UNSIGNED16

Default Value	0
Location	RAM
Access type	rwr
PDO mapping	True
No Sub index	0

Manufacturer specific objects