# Digital1\_DR\_CiA401

## Electronic Datasheet Information

Version 2, revision 3  
EDS for PCAN-MicroMod FD DR CANopen Digital 1  
Created by CANopen Architect Professional version 8.25.5874  
Created on 01-16-2020, 08:35AM by Kl  
Modified on 07-06-2020, 08:25AM by Kl

PEAK-System Technik GmbH   
www.peak-system.com  
CANopen and CANopen FD Digital I/O Module  
PCAN-MicroMod FD DR CANopen Digital 1  
DIN Rail mountable, 8 inputs and 8 outputs

## Product Information

|  |  |
| --- | --- |
| Property | Value |
| Vendor Name | PEAK-System |
| Vendor ID | 0x00000175 |
| Product Name | PCAN-MicroMod FD DR CANopen Digital 1 |
| Product Code | 0x48003100 |
| Revision Number | 0x00000002 |
| Order Code | IPEH-003100 |

## Commissioning Information

|  |  |
| --- | --- |
| Property | Value |
| Node ID | 0x00 |
| Name |  |
| Baudrate | 125 kbps |
| Network Number | 0 |
| Network Name |  |
| LSS Serial Number | 0x00000000 |
| CANopen Manager | No |

## PDO Configuration

### Communication Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PDO | COBID | Tx Type | Inhibit Time | Event Time | Sync Start |
| RPDO1 | $NODEID+0x200 | 255 |  |  |  |
| RPDO2 | $NODEID+0x80000300 | 255 |  |  |  |
| RPDO3 | $NODEID+0x80000400 | 255 |  |  |  |
| RPDO4 | $NODEID+0x80000500 | 255 |  |  |  |
| TPDO1 | $NODEID+0x40000180 | 255 | 1.0 ms | 0 ms |  |
| TPDO2 | $NODEID+0xC0000280 | 255 | 1.0 ms | 0 ms |  |
| TPDO3 | $NODEID+0xC0000380 | 255 | 1.0 ms | 0 ms |  |
| TPDO4 | $NODEID+0xC0000480 | 255 | 1.0 ms | 0 ms |  |

### Mappings

|  |  |
| --- | --- |
| PDO | Mappings |
| RPDO1 | [0x6200,0x01] DOut Write 8-bit - DOut\_0\_7 (Unsigned8) |
| RPDO2 | <no mapped entries> |
| RPDO3 | <no mapped entries> |
| RPDO4 | <no mapped entries> |
| TPDO1 | [0x6000,0x01] DIn Read 8-bit - DIn\_0\_7 (Unsigned8) |
| TPDO2 | <no mapped entries> |
| TPDO3 | <no mapped entries> |
| TPDO4 | <no mapped entries> |

## Object Dictionary

### Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Index | Subindex | Name | Type | Access | Default Value |
| 0x0002 | 0x00 | INTEGER8 | I8 | WO |  |
| 0x0003 | 0x00 | INTEGER16 | I16 | WO |  |
| 0x0004 | 0x00 | INTEGER32 | I32 | WO |  |
| 0x0005 | 0x00 | UNSIGNED8 | U8 | WO |  |
| 0x0006 | 0x00 | UNSIGNED16 | U16 | WO |  |
| 0x0007 | 0x00 | UNSIGNED32 | U32 | WO |  |
| 0x1000 | 0x00 | Device Type | U8 | RO | 1 |
| 0x01 | Device Type 1 | U32 | RO | 0x00030191 |
| 0x1001 | 0x00 | Error Register | U8 | RO |  |
| 0x1003 | 0x00 | Pre-Defined Error Field | U8 | RW | 0 |
| 0x01 | Pre-Defined Error Field 1 | U32 | RO |  |
| 0x02 | Pre-Defined Error Field 2 | U32 | RO |  |
| 0x03 | Pre-Defined Error Field 3 | U32 | RO |  |
| 0x04 | Pre-Defined Error Field 4 | U32 | RO |  |
| 0x1005 | 0x00 | COB-ID SYNC | U32 | CO | 0x00000080 |
| 0x1008 | 0x00 | Manufacturer Device Name | VisStr | RO | See description |
| 0x1009 | 0x00 | Manufacturer Hardware Version | VisStr | RO | See description |
| 0x100A | 0x00 | Manufacturer Software Version | VisStr | RO | See description |
| 0x1010 | 0x00 | Store Parameters | U8 | CO | 4 |
| 0x01 | Save All Parameters | U32 | RW |  |
| 0x02 | Save Communication Parameters | U32 | RW |  |
| 0x03 | Save Application Parameters | U32 | RW |  |
| 0x04 | Save Manufacturer Parameters | U32 | RW |  |
| 0x1011 | 0x00 | Restore Default Parameters | U8 | CO | 4 |
| 0x01 | Restore All Default Parameters | U32 | RW |  |
| 0x02 | Restore Communication Default Parameters | U32 | RW |  |
| 0x03 | Restore Application Default Parameters | U32 | RW |  |
| 0x04 | Restore Manufacturer Default Parameters | U32 | RW |  |
| 0x1014 | 0x00 | COB-ID EMCY | U32 | CO | $NODEID+0x80 |
| 0x1015 | 0x00 | Inhibit Time Emergency | U16 | RW | 0 |
| 0x1016 | 0x00 | Heartbeat Consumer Time | U8 | CO | 3 |
| 0x01 | Heartbeat Consumer 1 | U32 | RW | 0x00000000 |
| 0x02 | Heartbeat Consumer 2 | U32 | RW | 0x00000000 |
| 0x03 | Heartbeat Consumer 3 | U32 | RW | 0x00000000 |
| 0x1017 | 0x00 | Producer Heartbeat Time | U16 | RW | 0 |
| 0x1018 | 0x00 | Identity Object | U8 | CO | 3 |
| 0x01 | Vendor ID | U32 | RO | 0x00000175 |
| 0x02 | Product Code | U32 | RO | 0x48003100 |
| 0x03 | Revision number | U32 | RO | 0x00000002 |
| 0x1029 | 0x00 | Error Behavior | U8 | CO | 3 |
| 0x01 | Communication Error | U8 | RW | 0 |
| 0x02 | Output Error | U8 | RW | 0 |
| 0x03 | Input Error | U8 | RW | 0 |
| 0x1030 | 0x00 | Version Information | U8 | RO | 2 |
| 0x01 | Version Information 1 | U32 | RO | 0x51500100 |
| 0x02 | Version Information 2 | U32 | RO | 0x19100300 |
| 0x1031 | 0x00 | Active Error History | U8 | CO | 5 |
| 0x01 | Error History Status | U32 | RO |  |
| 0x02 | Error History Command | U16 | RW | 0x0000 |
| 0x03 | Error History Command Input | U16 | RW | 0x0000 |
| 0x04 | Error History Domain | Dom | RO | See description |
| 0x05 | Error History Processing | U32 | RW |  |
| 0x1032 | 0x00 | Active Error List | U8 | RO | 0 |
| 0x01 | Error Event 1 | U32 | RO |  |
| 0x02 | Error Event 2 | U32 | RO |  |
| 0x03 | Error Event 3 | U32 | RO |  |
| 0x04 | Error Event 4 | U32 | RO |  |
| 0x1200 | 0x00 | SDO Server Parameter | U8 | CO | 2 |
| 0x01 | COB-ID Client to Server | U32 | CO | $NODEID+0x600 |
| 0x02 | COB-ID Server to Client | U32 | CO | $NODEID+0x580 |
| 0x1400 | 0x00 | Receive PDO 1 Communication | U8 | CO | 2 |
| 0x01 | COB-ID | U32 | RW | $NODEID+0x200 |
| 0x02 | Transmission Type | U8 | RW | 255 |
| 0x1401 | 0x00 | Receive PDO 2 Communication | U8 | CO | 2 |
| 0x01 | COB ID | U32 | RW | $NODEID+0x80000300 |
| 0x02 | Transmission Type | U8 | RW | 255 |
| 0x1402 | 0x00 | Receive PDO 3 Communication | U8 | CO | 2 |
| 0x01 | COB ID | U32 | RW | $NODEID+0x80000400 |
| 0x02 | Transmission Type | U8 | RW | 255 |
| 0x1403 | 0x00 | Receive PDO 4 Communication | U8 | CO | 2 |
| 0x01 | COB ID | U32 | RW | $NODEID+0x80000500 |
| 0x02 | Transmission Type | U8 | RW | 255 |
| 0x1600 | 0x00 | Receive PDO 1 Mapping | U8 | RW | 1 |
| 0x01 | PDO Mapping Entry | U32 | RW | 0x62000108 |
| 0x1601 | 0x00 | Receive PDO 2 Mapping | U8 | RW | 0 |
| 0x01 | Mapping 1 | U32 | RW | 0 |
| 0x1602 | 0x00 | Receive PDO 3 Mapping | U8 | RW | 0 |
| 0x01 | Mapping 1 | U32 | RW | 0 |
| 0x1603 | 0x00 | Receive PDO 4 Mapping | U8 | RW | 0 |
| 0x01 | Mapping 1 | U32 | RW | 0 |
| 0x1800 | 0x00 | Transmit PDO 1 Communication | U8 | CO | 5 |
| 0x01 | COB-ID | U32 | RW | $NODEID+0x40000180 |
| 0x02 | Transmission Type | U8 | RW | 255 |
| 0x03 | Inhibit Time | U16 | RW | 10 |
| 0x05 | Event Timer | U16 | RW | 0 |
| 0x1801 | 0x00 | Transmit PDO 2 Communication | U8 | CO | 5 |
| 0x01 | COB-ID | U32 | RW | $NODEID+0xC0000280 |
| 0x02 | Transmission Type | U8 | RW | 255 |
| 0x03 | Inhibit Time | U16 | RW | 10 |
| 0x05 | Event Timer | U16 | RW | 0 |
| 0x1802 | 0x00 | Transmit PDO 3 Communication | U8 | CO | 5 |
| 0x01 | COB ID | U32 | RW | $NODEID+0xC0000380 |
| 0x02 | Transmission Type | U8 | RW | 255 |
| 0x03 | Inhibit Time | U16 | RW | 10 |
| 0x05 | Event Timer | U16 | RW | 0 |
| 0x1803 | 0x00 | Transmit PDO 4 Communication | U8 | CO | 5 |
| 0x01 | COB ID | U32 | RW | $NODEID+0xC0000480 |
| 0x02 | Transmission Type | U8 | RW | 255 |
| 0x03 | Inhibit Time | U16 | RW | 10 |
| 0x05 | Event Timer | U16 | RW | 0 |
| 0x1A00 | 0x00 | Transmit PDO 1 Mapping | U8 | RW | 1 |
| 0x01 | Mapping 1 | U32 | RW | 0x60000108 |
| 0x1A01 | 0x00 | Transmit PDO 2 Mapping | U8 | RW | 0 |
| 0x01 | Mapping 1 | U32 | RW | 0 |
| 0x1A02 | 0x00 | Transmit PDO 3 Mapping | U8 | RW | 0 |
| 0x01 | Mapping 1 | U32 | RW | 0 |
| 0x1A03 | 0x00 | Transmit PDO 4 Mapping | U8 | RW | 0 |
| 0x01 | Mapping 1 | U32 | RW | 0 |
| 0x2018 | 0x00 | MicroCANopen Identity Object | U8 | CO | 4 |
| 0x01 | Vendor Id | U32 | CO | 0x01455341 |
| 0x02 | Product Code | U32 | RO |  |
| 0x03 | Revision number | U32 | RO |  |
| 0x04 | EDS/XDD Version | U32 | CO | 0x00020003 |
| 0x2019 | 0x00 | Hardware ID | U8 | RO | 4 |
| 0x01 | Hardware ID 1 | U32 | CO |  |
| 0x02 | Hardware ID 2 | U32 | CO |  |
| 0x03 | Hardware ID 3 | U32 | CO |  |
| 0x04 | Hardware ID 4 | U32 | CO |  |
| 0x2020 | 0x00 | Maintenance | U8 | RO | 3 |
| 0x01 | Password | U32 | WO |  |
| 0x02 | Command | U32 | WO |  |
| 0x03 | Result | U8 | RO | 0x00 |
| 0x2202 | 0x00 | DOut OpenLoad Monitoring Enable 8-bit | U8 | CO | 1 |
| 0x01 | DOut\_0\_7 | U8 | RW | 0x00 |
| 0x6000 | 0x00 | DIn Read 8-bit | U8 | RO | 1 |
| 0x01 | DIn\_0\_7 | U8 | RO |  |
| 0x6002 | 0x00 | DIn Polarity 8-bit | U8 | RO | 1 |
| 0x01 | DIn\_0\_7 | U8 | RWR | 0 |
| 0x6020 | 0x00 | DIn Read 1-bit | U8 | RO | 8 |
| 0x01 | DIn\_0 | Bool | RO |  |
| 0x02 | DIn\_1 | Bool | RO |  |
| 0x03 | DIn\_2 | Bool | RO |  |
| 0x04 | DIn\_3 | Bool | RO |  |
| 0x05 | DIn\_4 | Bool | RO |  |
| 0x06 | DIn\_5 | Bool | RO |  |
| 0x07 | DIn\_6 | Bool | RO |  |
| 0x08 | DIn\_7 | Bool | RO |  |
| 0x6200 | 0x00 | DOut Write 8-bit | U8 | RO | 1 |
| 0x01 | DOut\_0\_7 | U8 | RWW | 0x00 |
| 0x6202 | 0x00 | DOut Polarity 8-bit | U8 | RO | 1 |
| 0x01 | DOut\_0\_7 | U8 | RWW | 0x00 |
| 0x6206 | 0x00 | DOut Error Mode 8-bit | U8 | RO | 1 |
| 0x01 | DOut\_0\_7 | U8 | RWW | 0xFF |
| 0x6207 | 0x00 | DOut Error Value 8-bit | U8 | RO | 1 |
| 0x01 | DOut\_0\_7 | U8 | RWW | 0x00 |
| 0x6208 | 0x00 | DOut Filter Mask 8-bit | U8 | RO | 1 |
| 0x01 | DOut\_0\_7 | U8 | RWW | 0xFF |
| 0x6220 | 0x00 | DOut Write 1-bit | U8 | RO | 8 |
| 0x01 | DOut\_0 | Bool | RW | 0 |
| 0x02 | DOut\_1 | Bool | RW | 0 |
| 0x03 | DOut\_2 | Bool | RW | 0 |
| 0x04 | DOut\_3 | Bool | RW | 0 |
| 0x05 | DOut\_4 | Bool | RW | 0 |
| 0x06 | DOut\_5 | Bool | RW | 0 |
| 0x07 | DOut\_6 | Bool | RW | 0 |
| 0x08 | DOut\_7 | Bool | RW | 0 |
| 0x6404 | 0x00 | AIn Read Manufacturer-specific | U8 | RO | 1 |
| 0x01 | Vcc 12-bit | U16 | RO |  |

### Device Type (0x1000, CANopen FD only)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Number of Entries |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 1 |

Only valid for CANopen FD. In CANopen, this entry is the Device Type described in the following entry [1000h,1].

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Device Type 1 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 0x00030191 |

Only valid for CANopen FD. In CANopen, this entry is at [1000h,0] and [1000h,1] doesn't exist.

### Error Register (0x1001)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

### Pre-Defined Error Field (0x1003, CANopen only)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Number of Errors |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Pre-Defined Error Field 1 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Pre-Defined Error Field 2 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Pre-Defined Error Field 3 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x04 |
| Name | Pre-Defined Error Field 4 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

### COB-ID SYNC (0x1005)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value | 0x00000080 |

### Manufacturer Device Name (0x1008)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Data Type | Visible String |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | PCAN-MicroMod FD DR CANopen Digital 1 |

### Manufacturer Hardware Version (0x1009)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Data Type | Visible String |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | V2.00 |

### Manufacturer Software Version (0x100A)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Data Type | Visible String |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

### Store Parameters (0x1010)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 4 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Save All Parameters |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Save Communication Parameters |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Save Application Parameters |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x04 |
| Name | Save Manufacturer Parameters |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value |  |

### Restore Default Parameters (0x1011)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 4 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Restore All Default Parameters |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Restore Communication Default Parameters |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Restore Application Default Parameters |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x04 |
| Name | Restore Manufacturer Default Parameters |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value |  |

### COB-ID EMCY (0x1014)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value | $NODEID+0x80 |

### Inhibit Time Emergency (0x1015)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

### Heartbeat Consumer Time (0x1016)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 3 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Heartbeat Consumer 1 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0x00000000 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Heartbeat Consumer 2 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0x00000000 |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Heartbeat Consumer 3 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0x00000000 |

### Producer Heartbeat Time (0x1017)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

### Identity Object (0x1018)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 3 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Vendor ID |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 0x00000175 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Product Code |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 0x48003100 |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Revision number |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 0x00000002 |

### Error Behavior (0x1029)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 3 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Communication Error |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

00h: Change to NMT state Pre-operational (only if currently in NMT state Operational)  
01h: No change of the NMT state  
02h: Change to NMT state Stopped

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Output Error |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

00h: Change to NMT state Pre-operational (only if currently in NMT state Operational)  
01h: No change of the NMT state  
02h: Change to NMT state Stopped

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Input Error |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

00h: Change to NMT state Pre-operational (only if currently in NMT state Operational)  
01h: No change of the NMT state  
02h: Change to NMT state Stopped

### Version Information (0x1030, CANopen FD only)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 2 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Version Information 1 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 0x51500100 |

CiA 1301 Version: 1.0.(2) from 21 October 2019

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Version Information 2 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 0x19100300 |

CiA 401 Version: 3.0.(0) from 03 June 2019, CiA 401-B/F not released yet

### Active Error History (0x1031, CANopen FD only)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 5 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Error History Status |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Error History Command |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0x0000 |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Error History Command Input |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0x0000 |

|  |  |
| --- | --- |
| Subindex | 0x04 |
| Name | Error History Domain |
| Data Type | Domain |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x05 |
| Name | Error History Processing |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value |  |

### Active Error List (0x1032, CANopen FD only)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Error Event 1 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Error Event 2 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Error Event 3 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x04 |
| Name | Error Event 4 |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

### SDO Server Parameter (0x1200, CANopen only)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 2 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | COB-ID Client to Server |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value | $NODEID+0x600 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | COB-ID Server to Client |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value | $NODEID+0x580 |

### Receive PDO 1 Communication (0x1400)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 2 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | COB-ID |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | $NODEID+0x200 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Transmission Type |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 255 |

### Receive PDO 2 Communication (0x1401)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 2 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | COB ID |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | $NODEID+0x80000300 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Transmission Type |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 255 |

### Receive PDO 3 Communication (0x1402)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 2 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | COB ID |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | $NODEID+0x80000400 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Transmission Type |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 255 |

### Receive PDO 4 Communication (0x1403)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 2 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | COB ID |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | $NODEID+0x80000500 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Transmission Type |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 255 |

### Receive PDO 1 Mapping (0x1600)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | PDO Mapping Entry |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0x62000108 [0x6200,0x01] DOut Write 8-bit - DOut\_0\_7 (Unsigned8) |

### Receive PDO 2 Mapping (0x1601)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Mapping 1 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 <invalid mapping> |

### Receive PDO 3 Mapping (0x1602)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Mapping 1 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 <invalid mapping> |

### Receive PDO 4 Mapping (0x1603)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Mapping 1 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 <invalid mapping> |

### Transmit PDO 1 Communication (0x1800)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 5 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | COB-ID |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | $NODEID+0x40000180 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Transmission Type |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 255 |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Inhibit Time |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 10 |

|  |  |
| --- | --- |
| Subindex | 0x05 |
| Name | Event Timer |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

### Transmit PDO 2 Communication (0x1801)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 5 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | COB-ID |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | $NODEID+0xC0000280 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Transmission Type |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 255 |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Inhibit Time |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 10 |

|  |  |
| --- | --- |
| Subindex | 0x05 |
| Name | Event Timer |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

### Transmit PDO 3 Communication (0x1802)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 5 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | COB ID |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | $NODEID+0xC0000380 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Transmission Type |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 255 |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Inhibit Time |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 10 |

|  |  |
| --- | --- |
| Subindex | 0x05 |
| Name | Event Timer |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

### Transmit PDO 4 Communication (0x1803)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 5 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | COB ID |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | $NODEID+0xC0000480 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Transmission Type |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 255 |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Inhibit Time |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 10 |

|  |  |
| --- | --- |
| Subindex | 0x05 |
| Name | Event Timer |
| Data Type | Unsigned16 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

### Transmit PDO 1 Mapping (0x1A00)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Mapping 1 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0x60000108 [0x6000,0x01] DIn Read 8-bit - DIn\_0\_7 (Unsigned8) |

### Transmit PDO 2 Mapping (0x1A01)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Mapping 1 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 <invalid mapping> |

### Transmit PDO 3 Mapping (0x1A02)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Mapping 1 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 <invalid mapping> |

### Transmit PDO 4 Mapping (0x1A03)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Mapping 1 |
| Data Type | Unsigned32 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 <invalid mapping> |

### MicroCANopen Identity Object (0x2018)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 4 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Vendor Id |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value | 0x01455341 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Product Code |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Revision number |
| Data Type | Unsigned32 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x04 |
| Name | EDS/XDD Version |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value | 0x00020003 |

File Information:  
Bits 31-16: File Version  
Bits 15-0: File Revision

### Hardware ID (0x2019)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 4 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Hardware ID 1 |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value |  |

The Hardware ID entries together contain the unique 128-bit ID number that is also reported during identification with PEAK tools.

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Hardware ID 2 |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Hardware ID 3 |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x04 |
| Name | Hardware ID 4 |
| Data Type | Unsigned32 |
| Access | Const |
| Can be mapped | No |
| Default Value |  |

### Maintenance (0x2020)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 3 |

Maintenance and support command interface - use with care!

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Password |
| Data Type | Unsigned32 |
| Access | WriteOnly |
| Can be mapped | No |
| Default Value |  |

Writing the correct password is required to unlock the maintenance commands of the following entries. The password is given by technical support on request only.

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | Command |
| Data Type | Unsigned32 |
| Access | WriteOnly |
| Can be mapped | No |
| Default Value |  |

Available commands:  
  
0x41726C43 ("ClrA"): Clear activation data  
0x43726C43 ("ClrC"): Clear configuration data  
  
Commands are only effective after the password has been written into subindex 1 of this entry.

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | Result |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 0x00 |

Available results:  
  
0x00 : no result because no command was given  
0x01 : command executed without error  
0xFF : error when executing the command

### DOut OpenLoad Monitoring Enable 8-bit (0x2202)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | Const |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DOut\_0\_7 |
| Data Type | Unsigned8 |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0x00 |

Bit set: OpenLoad monitoring active for this output  
Bit cleared: OpenLoad monitoring disabled for this output

### DIn Read 8-bit (0x6000)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DIn\_0\_7 |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | Yes |
| Default Value |  |

### DIn Polarity 8-bit (0x6002)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DIn\_0\_7 |
| Data Type | Unsigned8 |
| Access | ReadWriteRead |
| Can be mapped | Yes |
| Default Value | 0 |

### DIn Read 1-bit (0x6020)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 8 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DIn\_0 |
| Data Type | Boolean |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | DIn\_1 |
| Data Type | Boolean |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | DIn\_2 |
| Data Type | Boolean |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x04 |
| Name | DIn\_3 |
| Data Type | Boolean |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x05 |
| Name | DIn\_4 |
| Data Type | Boolean |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x06 |
| Name | DIn\_5 |
| Data Type | Boolean |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x07 |
| Name | DIn\_6 |
| Data Type | Boolean |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

|  |  |
| --- | --- |
| Subindex | 0x08 |
| Name | DIn\_7 |
| Data Type | Boolean |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value |  |

### DOut Write 8-bit (0x6200)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DOut\_0\_7 |
| Data Type | Unsigned8 |
| Access | ReadWriteWrite |
| Can be mapped | Yes |
| Default Value | 0x00 |

### DOut Polarity 8-bit (0x6202)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DOut\_0\_7 |
| Data Type | Unsigned8 |
| Access | ReadWriteWrite |
| Can be mapped | Yes |
| Default Value | 0x00 |

### DOut Error Mode 8-bit (0x6206)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DOut\_0\_7 |
| Data Type | Unsigned8 |
| Access | ReadWriteWrite |
| Can be mapped | Yes |
| Default Value | 0xFF |

### DOut Error Value 8-bit (0x6207)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DOut\_0\_7 |
| Data Type | Unsigned8 |
| Access | ReadWriteWrite |
| Can be mapped | Yes |
| Default Value | 0x00 |

### DOut Filter Mask 8-bit (0x6208)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DOut\_0\_7 |
| Data Type | Unsigned8 |
| Access | ReadWriteWrite |
| Can be mapped | Yes |
| Default Value | 0xFF |

### DOut Write 1-bit (0x6220)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 8 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | DOut\_0 |
| Data Type | Boolean |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x02 |
| Name | DOut\_1 |
| Data Type | Boolean |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x03 |
| Name | DOut\_2 |
| Data Type | Boolean |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x04 |
| Name | DOut\_3 |
| Data Type | Boolean |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x05 |
| Name | DOut\_4 |
| Data Type | Boolean |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x06 |
| Name | DOut\_5 |
| Data Type | Boolean |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x07 |
| Name | DOut\_6 |
| Data Type | Boolean |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

|  |  |
| --- | --- |
| Subindex | 0x08 |
| Name | DOut\_7 |
| Data Type | Boolean |
| Access | ReadWrite |
| Can be mapped | No |
| Default Value | 0 |

### AIn Read Manufacturer-specific (0x6404)

|  |  |
| --- | --- |
| Subindex | 0x00 |
| Name | Highest Subindex |
| Data Type | Unsigned8 |
| Access | ReadOnly |
| Can be mapped | No |
| Default Value | 1 |

|  |  |
| --- | --- |
| Subindex | 0x01 |
| Name | Vcc 12-bit |
| Data Type | Unsigned16 |
| Access | ReadOnly |
| Can be mapped | Yes |
| Default Value |  |