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MKS

x MKS EtherCAT Slave

Test

R*evolution

Summary

- Date : 2020-09-02
- Master : EtherCAT IP(LX558)
- Sample
 - AX7696
- ESI :
- VendorID : 0x50B
- Product Code : 7696
- RevisionNo : 2
- CycleTime : 1ms

Condition

- PC (Laptop)
 - CPU : Intel I5-7700
 - MainBoard :
 - RAM : 8G
- OS
 - Win7 x64

Test Item : Setup

- XML Parsing
- PDO mapping
- EtherCAT State Machine
 - Init / PreOP / SafeOP / OP
- SyncMode : FreeRun

• **Configured Station Alias**

Test Item : Operation

Cia 5003 Profile

- FreeRun , xml "SM-Freerun" 1.5.0.4 IDE
 - SM2 Event Mode
 - , xml "Freerun"
- 0x1600 , AI-State가 Pre-OP
 - AIStatusCode 0x1B¹⁾가
 - Watchdog disable
 - 0x1601
 - 0x1600 0x1601 object가 , 0x1600
- AIStatusCode 0x1B : Sync manager watchdog
 - The slave did not receive process data within the specified watchdog time.
 - Usually, the WD time is 100ms. The WD is re-started every time it receives new process data, usually when the Output SyncManager (SyncManager2) is written.
 - For devices which have only inputs usually, no WD is used. Increasing the WD is not a solution.
 - Reason: PLC stopped))

1)

Sync manager watchdog

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