

AZDxA-KED ..... 1  
  Summary ..... 1  
  Condition ..... 1  
  Test Item : Setup ..... 1  
  Test Item : Operation ..... 2  
  Note ..... 2

# Oriental

x Oriental EtherCAT Slave      Test

## AZDxA-KED

### Summary

- Date : 2020-06-21
- Master : COMI-LX552
- Sample
  - Driver :
    - AZD2A-KED
    - AZD4A-KED
  - Motor :
    - AZ Series
    - DRS2 Series
    - EAS Series
    - DGII Series
- ESI : ORIENTALMOTOR\_AZDxA-KED\_rev0300.xml
  - VendorID : 0x2BE
  - Product Code : 0x13AF
  - RevisionNo : 0x00110300(AZD2A-KED), 0x11110300(AZD4A-KED)
- CycleTime : 1ms

### Condition

- PC
  - CPU : Intel I7-7700
  - MainBoard : SuperMicro X11SSA-F
  - RAM : Samsung 8G
- OS
  - Win7 x64
  - Win10 x64

### Test Item : Setup

- XML Parsing
- PDO mapping
- EtherCAT State Machine
  - Init / PreOP / SafeOP / OP
- SyncMode : Distributed Clock
- Configured Station Alias

### Test Item : Operation

#### Cia 402 Drive Profile

- Servo On (Operation Enable / Disable)
- Alarm Reset
- ErrorCode Read
- Speed, Jerk Setup
- Move : CSP Mode
- Homing
  - Homing Speed
- MotionIO
  - Limit, Origin
- SDO Read / Write
- EEPROM, Register Read / Write

### Note

- ServoTunes Supported
- Absolute Type Motor (PPR : Pulse )
  - -1/2 PPR ~ 1/2 PPR<sup>1)</sup>
  - Command Feedback 가 2 \* PPR <sup>2)</sup>
  - **RingCounter Abs**
    - RingCounter Maximum<sup>3)</sup> PPR

<sup>1)</sup>  
PPR 180,000      -90,000 ~ 90,000

<sup>2)</sup>  
PPR 180,000      가 360,000

3)

## Range

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