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# Download

## Application

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Version	Date	Installer	App
v.1.11.22.0	2026.01.19		<a href="#">Download</a>
v.1.11.20.0	2025.07.22		<a href="#">Download</a>
v.1.11.19.0	2025.07.09		<a href="#">Download</a>
v.1.11.18.0	2025.03.28		<a href="#">Download</a>
v.1.11.17.0	2025.02.12		<a href="#">Download</a>
v.1.11.13.0	2024.09.27		<a href="#">Download</a>
v.1.11.12.0	2024.09.12		<a href="#">Download</a>
v.1.11.11.0	2024.08.20		<a href="#">Download</a>
v.1.11.10.0	2024.06.21		<a href="#">Download</a>
v.1.11.9.0	2024.05.29		<a href="#">Download</a>
v.1.11.8.0	2024.05.24		<a href="#">Download</a>
v.1.11.7.0	2024.05.17		<a href="#">Download</a>
v.1.11.6.0	2024.05.07		<a href="#">Download</a>
v1.11.2.0	2024.04.17		<a href="#">Download</a>
v1.11.0.0	2024.02.23		<a href="#">Download</a>
v1.10.5.1	2023.11.28		<a href="#">Download</a>
v1.10.4.0	2023.08.28		<a href="#">Download</a>
v1.10.3.0	2023.08.24		<a href="#">Download</a>
v1.10.2.0	2023.07.21		<a href="#">Download</a>
v1.10.1.0	2023.06.26		<a href="#">Download</a>
v1.10.0.0	2023.06.01		<a href="#">Download</a>
v1.9.3.9	2023.05.30		<a href="#">Download</a>
v1.9.3.7	2023.03.31		<a href="#">Download</a>
v1.9.3.4	2023.02.22		<a href="#">Download</a>
v1.9.3.3	2023.02.20		<a href="#">Download</a>
v1.9.3.2	2023.02.13		<a href="#">Download</a>
v1.9.3.1	2023.02.02		<a href="#">Download</a>
v1.9.3.0	2022.12.12		<a href="#">Download</a>
v1.9.2.1	2022.11.29		<a href="#">Download</a>
v1.9.2.0	2022.11.21		<a href="#">Download</a>
v1.9.1.0	2022.11.15		<a href="#">Download</a>
v1.9.0.0	2022.09.20		<a href="#">Download</a>
v1.8.2.0	2022.09.19		<a href="#">Download</a>

v1.8.1.0	2022.09.07	<a href="#">Download</a>	<a href="#">Download</a>
v1.7.0.0	2022.08.19		<a href="#">Download</a>
v1.6.10.0	2022.08.04		<a href="#">Download</a>
v1.6.9.0	2022.07.22		<a href="#">Download</a>
v1.6.7.5	2022.06.15	<a href="#">Download</a>	
v1.6.7.4	2022.06.08	<a href="#">Download</a>	
v1.6.7.2	2022.05.04	<a href="#">Download</a>	
v1.6.7.0	2022.04.15	<a href="#">Download</a>	
v1.6.6.0	2022.04.04		
v1.6.5.0	2022.03.24		
v1.6.4.0	2022.02.07		<a href="#">Download</a>
v1.6.1.4	2021.12.14		<a href="#">Download</a>
v1.5.4.24	2021.10.20		<a href="#">Download</a>
v1.5.4.2	2021.04.20		<a href="#">Download</a>
v1.5.2.0	2021.01.04		<a href="#">Download</a>
v1.5.1.0	2020.12.04		<a href="#">Download</a>
v1.5.0.0	2020.07.31		<a href="#">Download</a>
v1.4.2.0	2020.05.29		<a href="#">Download</a>
v1.4.1.0	2020.04.29		<a href="#">Download</a>
v1.4.0.0	2020.04.23		<a href="#">Download</a>
v1.3.10.0	2020.03.20		<a href="#">Download</a>
v1.3.9.0	2020.03.19		<a href="#">Download</a>
v1.3.6.0	2018.08.13		<a href="#">Download</a>

1.11.20.0

## Debugs

- Oriental Servo Config , CKD Type Config
- DeviceList Sorting

## Adds

- Axis PDO

1.11.19.0

# Debugs

- Slot AutoDetection
- EEpromData size type :ushort → int
- LX557

# Changes

- Config.IsDetectModule PreOP

# Adds

- Crevis MDP IO Channel Mapping

1.11.16.0

# Debugs

- FormGantry
  - CoordinateType
  - TeachingByPosition
  - , Torque가 1000
  - Setup Apply 가

1.11.18.0

# Debugs

- cmmsdk load DIO devCount
- ETS-MC02P : physAdd + 1 → physAddr - 1

# Changes

- SoftEtherCAT.IsLoadFromFile 가
- NetState AIState . 가
- EtherCAT Serial Ch
- Graph Channel Selector

# Adds

- PDO Serial

1.11.17.0

# Debugs

- Config Download (v1.11.14.0 )
- SlotScan

# Adds

- Config.WriteTojson 가

1.11.16.0

# Debugs

- FormGantry
  - CoordinateType
  - TeachingByPosition
  - , Torque가 1000
  - Setup Apply 가

1.11.15.0

# Debugs

- FW Update MotorMonitor 가
- Graph가 Document

# Adds

- formPDO : 402 profile
  - FW : 2.145

- DRV : 2.15
- DLL : 2.17
- CPF to JSON 가

## Changes

- Scan / Download
- ecGn\_SetBootWaitMode : ecGn\_LoadDevice() ,

1.11.13.0

## Debugs

- ReverseConnectionCheck Net

## Adds

- Check ReverseConnection 가

## Changes

- FormSetup.Form AxisVisible, AxisIoVisible
- LogView.AlarmMonitor

1.11.12.0

## Debugs

- Slot ,
- StyleMode IO Form
- SCAN Exception Message
- MotorMonitor Lock
- beginner mode

## Adds

- EEPROM.Updater : Minimum checkbox 가 ( )
- Axis.DO 가

- MultiAxis : DI/DO 가
- C-Net 가

## Changes

- **beginner mode** LogView 가 가
- EEPROM.Updater : write error
- IdentificationADO 0x1000~0x1003
- beginner mode multi
- ProjectManager.RangeMode

1.11.11.0

## Debugs

- FirmwareUpdater : EtherCAT 0 device
- RangeMode 가
- Configurator ApplyAll

## Adds

- x86 / x64 가
- PDO EtherCAT Serial Test (No serial daemon required)
  - Config Serial
- Config.ESIView XML Tree 가 Update
- cEIP Serial 가
- AioMode, RangeMode Project 가 (Save / Load 가)
- Shell.CaptureMode 가
  - DiffOnly Property 가

## Changes

- cEIP , AutoLoad 가
- EtherCAT Net
- EtherCAT Addressing Addressing
- EtherCAT
  - IsPdoAsAxis Property 가

1.11.10.0

# Debugs

- EtherCAT.SyncAxis
- FormDevList.NodeSorter
  - IO Sorting
  - OrderByAddress
- 
- DI Projectfile load Channel

# Adds

- ProjectManager.pjt3 가
  - Setup.ProjectFileExtension 가
- 가
  - LossFrame
  - Slave Comm Error
  - DevList not running
  - CommErrorThreshold Property 가
- TopologyView LossFrame, DcCount Monitor 가
- FormAlarmList 가
  - , LogView
- FormSerial.Repeat 가
- 가

# Changes

- EtherCAT.Config AIStateChange 1 가
- Dock Crash ,
  - BegineerMode Crash , BegineerMode
- FormAI, FormAO

1.11.9.0

# Debugs

- LogView.Alarm hide
- Project load customDoMap

# Changes

- ServoAlarmCode logging

1.11.8.0

# Debugs

- Profile 401 ESI ProfileNo
- Config Do, DI PdoMap 가 map 가 sm
- ProcessData Excluded , Map IoType

# 1.11.7.0

## Changes

- Alias Read 0xCCC
- ESI PdoAssign

## Debugs

- DevList.Find 가

# 1.11.6.0

## Debugs

- Config net Update AIStatus 가

# 1.11.5.0

## Adds

- App 가

## Debugs

- Dock
- NetState : RoundTrip.Set

# 1.11.4.0

## Adds

- Config : SlotGroup Slot

## Changes

- CycleTimeSync@Factor
- 402 Profile 가 가 , PhysAddr

## Debugs

- DeviceList slot
- Omron CJ1W-ECT21 Config

# 1.11.3.0

## Adds

- DevList.Search Module 가
- SearchTextBox "Search" 가
- FormAiStatusCode : , Code가 0
- SdoAbortCodeDescription 가 : Shell LogViewer 가
- FormSetup.Form.AiPrecision Property 가
- Shell.Check 가
- ELMO Slot Driver
- FormFirmware.Reset MultiSelect
- NetState EscState
- Config.CheckMultiAxis

## Changes

- DcOffsetDefault
- 5001 Profile Step ID PhysAddr + 1 ( : ID = PhysAddr)

Debugs

- Disconnect Topology Update Topology
- DevList.Search :
- NetID 0 FormESC
- FormSlot Module ModIndent가 0 가
- NetState

# 1.11.2.0

- 
- ControlLock 가
- AppSetup.t.formInfo.AlarmMonitor.DisplayAlarm Property 가
- Config.InPdoSkipCount Property 가
- AllowNodeNameChange Property 가<sup>1)</sup>
- DeviceList.xml 가
- Config.DriverRawPDO
- AIState , Stop
- FormFirmware.Reset Device
- RemoteMode
- 
- FormAI / FormAO Graph 가
- Dictionary enum
- TempController 0
- FormSetup 가
- Config
  - , 가
  - NetInfo.LogicIn / NetInfo.LogicOut Servo 가
  - Scan / Download Exception
  - IO Scan/Download 1 Dock
  - Download BackupFile Exception
- Shell
- Master-Slave
- GetModulInfos Exception <sup>2)</sup>

# 1.11.1.0

- App
- Dock Expert
- 5001 Profile IO
- FormDevList
  - ExpandOne, ExpandAll, CollapseOne, CollapseAll 가
  - SearchNodeWithChannelName 가
  - DeviceName 가
- MotorMonitor : ColumnCount Property 가
- FormDIO
  - RootColumnCount Prop가rty 가 : DIO Form ColumnCount
  - ColumnCount\_1 Enum 가
- FormAI / FormAO : Precision
- Setup
  - AppSetup.Form.DeviceList.InitTreeLevel Property 가
  - AutoLoa .NameOnly Property 가
- Config
  - TopologyView : Port line
  - Module Append
  - DefaultZoom
  - ProfileNo <sup>3)</sup>
  - UpdateForm : Event
  - ID / ID , TreeView
  - MultiAxis ID 가<sup>4)</sup>
  - TopologyView AIState <sup>5)</sup>
  - DI / DO StartCh 가
  - SM / FMMU <sup>6)</sup>
  - DioMap, AioMap Leak
  - IsRevisionNoNotMatchAnError Property가 false , RevisionNoNotMatch
  - Net , TopologyView Update
  - CustomIoMap : Map 가
  - MDP type Object-DataType Matching <sup>7)</sup>
    - Object DataType Size가 , Object DataSize
  - InfoRefFilePath Node
- ServoTunes
  - ServoTunes
  - LoadOne
- AlarmMonitor 가 : Axis Alarm, Slave CommError
- EtherCAT
  - MailBox Abort <sup>8)</sup> AbortCode log 가
  - Device가 ID가 0 가
  - AlarmState Property 가 : AIState가 AlarmState AlarmMonitor

# 1.11.0.0

- SlaveCfg : ProfileNo 가
- 402 Profile Address
  - 402 Profile 64 .
  - , INVALID\_ADDRESS\_IN\_402 ConfigError
- ConfigError 가 ( )
- formConfig Leak
- ProfileNo.5003
- ServoTunes Data Read Error
- UsingStationAddress Property 가
  - CSA
- FormConfig.TopologyView
  - AIStatus 가
  - Group AIStatus
- Config.BaseAIState Property 가
- DcOffsetDefaultValue 가
- Firmware Reset : Main → Firmware

# 1.10.6.0

- EtherCAT
  - **DLL Logger** AppDown
  - Dictionary Search 가
  - DataType Object bit 가 가
  - TempController 가
  - Scan ecCfg\_SetSlaveConfig : PreOP
  - ESI SM Enable Enable
- cEIP
  - cEIP AppDown
  - cEIP Version Parsing
  - cEIP MotorState Update failed
- NEMO
  - FW, Lib Version read failed

# 1.10.5.0

- SoftEtherCAT 가
  - ESC, SlaveRW
- EtherCAT Config
  - FMMU Section : Servo Sect
  - EBus\_2 + Mii\_2 Type Matching
  - ProcessData Entry Type ETC 가
- DO Repeat RepeatCount 가 0 ,

# 1.10.4.0

- IO Form Dock 가
- Setup : FormIO HideMenu Property 가

# 1.10.3.0

- Config
  - TopologyView : PortMonitoring Option 가
  - NetInfo : DcOffset : %
- Dictionary : Enum
- <sup>9)</sup> 가
- EtherCAT : OPMODE\_PT 가

# 1.10.2.0

- FormConfig : Slave AutoReset 가
- FormPDO : 2 ~ 7 bit size Data 가
- FormSlave : EEPROM Update Bootstrap Data 가
- [10\)](#)

# 1.10.1.0

- EtherCAT
  - ETS-MC02P
    - 
    - 
    - SVON\_Logic 가
  - Dictionary bit write
  - Config.TopologyView : Drawing , StandAlone Master Hub 가
  - FormSlaveRW Device가 1 ID가 0 , DeviceID ( netID 가 0 )

# 1.10.0.0

- EtherCAT
  - Coupler Slot , : Slot → Coupler
  - Config : Address Net SlaveList가
  - UnitDistance 가
  - Topology Line
  - Configurator Net
  - Scan Download DCSync
  - Lib (ODM 가)
- ServoTunes
  - List View

## 1.9.3.9

- EtherCAT
  - 가 , IO가 IO Form
  - null
  - ESI InfoReference
  - TopologyView MasterDC Port가
  - FormSlaveRW Device가 1 ID가 0 , DeviceID ( netID  
가 0 )

## 1.9.3.8

- EtherCAT Lib

## 1.9.3.7

- Shell
  - API ,
- EtherCAT
  - Firmware Upload UI
  - ETS-MC02P, CMC HomeReturn

## 1.9.3.5

- DeviceList
  - EtherCAT (Driver) : MajorNo.MinorNo.BuildNo.RevNo

## 1.9.3.4

- DeviceList
  - EtherCAT : MajorNo.MinorNo.BuildNo.RevNo
  - EtherCAT Version Compare

## 1.9.3.3

- HomeReturn
  - HomeReturn , MotorMonitor / AxisList

## 1.9.3.2

- ServoTunes
  - Nikki Denso : Nikki Denso 가 , Exception Error
  - Servo가 Net ServoTunes

## 1.9.3.1

- EtherCAT InitAlState DontChange , PDO

- Slave SDO Read
- ServoTunes EEPROM Write 가

## 1.9.3.0

- EtherCAT Version : File → GetVerInfo
- AutoSaveEnable, AutoSavePath 가
- AutoLoadEnable, AutoLoadPath 가
- FirmUp : 0 State가
- DO Custom Channel Control : Setup
- LX554 48 : LX554 → LX554(48)
- LX553 : LX553 → LX552(40)

## 1.9.2.1

- EtherCAT HomeReturn Success
- UnknownESC Register Read (DIStatus )
  - TopologyView, ESC Viewer Update
  - 1.9.2.0 YASKAWA Driver Topology가

## 1.9.2.0

- ESC Viewer
  - PortControl 가

- UI
- ESC Type Register Read/Wrtie
- TopologyView
  - ESC Redundancy Check
  - Port Open ESC
- DSP Viewer
  - FW 2.66 EEclnfoID 가 (SendCount, ReceiveCount )
  - Read Checkbox 가
- DeviceList
  - EtherCAT VersionCheck

# 1.9.1.0

- ServoTunes
  - UI
  - Write One-All, Write All-All
- Config
  - TopologyView
  - SlaveTree
    - Coupler - Coupler / Hub - Hub
  - PortOpen
  - SlaveInfo DcInfo 가
  - OHT\_Step 가
  - 402 Profile Axis Info Update
  - Scan
  - Master Redundancy
- FormIO
  - EtherCAT IO Form Title NetID 가
  - EtherCAT AI / AO Aio Mode
  - DIO GetMulti Selction 가 (GetMulti / GetOne)
    - LX534 + 64 IO , SDK 32
- DeviceList
  - EtherCAT Slot 10 , Sorting
    - 1,10,11,2,3,4 1,2,3,4,10,11
- Dictionary
  - , UI
- Shell
  - ToHex(),ToDec(),ToBit() 가

- FirmUp
  - DeviceNode          DeviceInfo Update

## 1.9.0.0

- Config    DC-Sync Factor          (OP          )

## 1.8.2.0

- Dictionary : EnumType          null
  -
- AI / AO Form : Multi-Channel          Name Copy/Paste
- SevoTunes : SanyoDenki, NikkiDenso

## 1.8.1.1

- SlaveRW : SDO Read    Sign/UnSign
- DevList Form : PulseType
- Config : 402Profile    DcSyncMode가          가

## 1.8.1.0

- CMC Axis 가
- EtherCAT FW Version 1.60 DCSyncEnable

## 1.8.0.0

- EtherCAT DcSyncEnable 1, 2 가
- Dictionary : EnumType Text
- SDP Type Visible 가
- 가 Log Skip
- ServoTunes : Yaskawa EtherCAT

## 1.7.0.1

- Setup Form MinorBugFix
- Setup Form NEMO ELP Logic

## 1.7.0.0

- EtherCAT ReserseConnetionCheck MinorBugFix
- EtherCAT Multi-Device FirmwareUpdate
- EtherCAT Virtual Module Append MinorBugFix

### EtherCAT

- [Package](#)
- [Example](#)
- [Manual](#)
- [ESI](#)
- [Certificate](#)
- [ETC](#)
- [History](#)

- **Package : Firmware / Driver / Library    Application / Examples / Manual**
- **Cores : Firmware / Driver / Library**

## EtherCAT PCI

Stable ( , )

Ver.	Firmware	Driver	DLL	Package	Cores
<b>230523_1 whql (Stable)</b>	v2.83	v2.5.1.0	v2.5.3.0	<a href="#">Package</a>	<a href="#">Download(Cores)</a>

( )

Ver.	Firmware	Driver	DLL	Package	Cores
260318_0 whql	v2.169	v2.15	v2.31		<a href="#">Download(Cores)</a>
260224_0 whql	v2.168	v2.15	v2.31		<a href="#">Download(Cores)</a>
<b>VC Redist</b> VC Redist가 가                                      (VC Redist v14 )					
260114_0 whql	v2.168	v2.15	v2.30		<a href="#">Download(Cores)</a>
250917_0 whql	v2.167	v2.15	v2.29	<a href="#">package</a>	<a href="#">Download(Cores)</a>
250909_0 whql	v2.166	v2.15	v2.28		<a href="#">Download(Cores)</a>
250903_0 whql	v2.165	v2.15	v2.28		<a href="#">Download(Cores)</a>
250808_1 whql	v2.165	v2.15	v2.27		<a href="#">Download(Cores)</a>
250411_0 whql	v2.158	v2.15	v2.22	<a href="#">package</a>	<a href="#">Download(Cores)</a>

Ver.	Firmware	Driver	DLL	Package	Cores
250212_0 whql	v2.150	v2.15	v2.19		<a href="#">Download(Cores)</a>
250210_0 whql	v2.149	v2.15	v2.19		<a href="#">Download(Cores)</a>
250124_0 whql	v2.148	v2.15	v2.19		<a href="#">Download(Cores)</a>
250121_0 whql	v2.147	v2.15	v2.19		<a href="#">Download(Cores)</a>
240711_1 whql	v2.135	v2.10	v2.11	<b>package</b>	<a href="#">Download(Cores)</a>
240705_1 whql	v2.132	v2.10	v2.11		<a href="#">Download(Cores)</a>
240703_0 whql	v2.131	v2.10	v2.11		<a href="#">Download(Cores)</a>
240626_0 whql	v2.131	v2.10	v2.10		<a href="#">Download(Cores)</a>
240621_0 whql	v2.129	v2.10	v2.10		<a href="#">Download(Cores)</a>
240612_0 whql	v2.128	v2.10	v2.10		<a href="#">Download(Cores)</a>
240610_0 whql	v2.127	v2.10	v2.10		<a href="#">Download(Cores)</a>
240605_1 whql	v2.126	v2.10	v2.10		<a href="#">Download(Cores)</a>
240528_1 whql	v2.122	v2.10	v2.10		<a href="#">Download(Cores)</a>
240528_0 whql	v2.121	v2.10	v2.10		<a href="#">Download(Cores)</a>
240523_0 whql	v2.120	v2.10	v2.10		<a href="#">Download(Cores)</a>
240521_0 whql	v2.119	v2.10	v2.10		<a href="#">Download(Cores)</a>
240517_0 whql	v2.118	v2.10	v2.10		<a href="#">Download(Cores)</a>
240510_0 whql	v2.117	v2.7	v2.9.2		<a href="#">Download(Cores)</a>
240503_0 whql	v2.116	v2.7	v2.9.2		<a href="#">Download(Cores)</a>
240430_0 whql	v2.115	v2.7	v2.9.2		<a href="#">Download(Cores)</a>
240423_1 whql	v2.113	v2.7	v2.9.2		<a href="#">Download(Cores)</a>
240415_0 whql	v2.112	v2.7	v2.9.2		<a href="#">Download(Cores)</a>
240223_0 whql	v2.107	v2.7	v2.8		<a href="#">Download(Cores)</a>
<b>ComilDE v1.11</b> 240223_0				(	-ComilDE v1.11 )
240207_0 whql	v2.100	v2.6.5	v2.7		<a href="#">Download(Cores)</a>



Ver.	Firmware	Driver	DLL	Package	Cores
2021.04.05	v2.11			<a href="#">Download(Package)</a>	<a href="#">Download (Cores)</a>
2021.02.26	v2.7			Download(Package)	<a href="#">Download (Cores)</a>
2021.01.05	v2.5			Download(Package)	Download (Cores)
2020.11.25	v2.3			Download(Package)	<a href="#">Download (Cores)</a>
2020.11.23	v2.2			Download(Package)	<a href="#">Download (Cores)</a>
2020.11.06	v2.1			Download(Package)	<a href="#">Download (Cores)</a>
2020.09.21	v2.0			<a href="#">Download(Package)</a>	<a href="#">Download (Cores)</a>
2020.08.05	v1.98			<a href="#">Download(Package)</a>	<a href="#">Download (Cores)</a>
2020.06.17	v1.97			<a href="#">Download(Package)</a>	<a href="#">Download (Cores)</a>
2020.04.27	v1.94			<a href="#">Download(Package)</a>	<a href="#">Download (Cores)</a>
2020.03.18	v1.92			<a href="#">Download</a>	<a href="#">Download (Cores)</a>
2020.03.18	v1.91			<a href="#">Download</a>	
2020.01.11	v1.88			<a href="#">Download</a>	<a href="#">Download (Cores)</a>
2020.01.08	v1.87			<a href="#">Download</a>	
2020.01.07	v1.87			<a href="#">Download</a>	
2019.11.27	v1.84			<a href="#">Download</a>	
2019.10.24	v1.82			<a href="#">Download</a>	
2019.10.07	v1.80			<a href="#">Download</a>	
2019.08.23	v1.76			<a href="#">Download</a>	<a href="#">Download(Cores)</a>
2018.06.19	v1.67			<a href="#">Download</a>	<a href="#">Download (Cores)</a>

## EtherCAT PCI v3

Ver.	Firmware	Driver	DLL	Package	Cores
250214_0 whql	v3.6	v3.0.1	v3.0.4		<a href="#">Download(Cores)</a>
240711_0 whql	v3.5	v3.0.1	v3.0.3		<a href="#">Download(Cores)</a>
240619_0 whql	v3.3	v3.0.1	v3.0.3		<a href="#">Download(Cores)</a>
240614_0 whql	v3.2	v3.0.1	v3.0.3		<a href="#">Download(Cores)</a>
240401_0 whql	v3.1	v3.0.1	v3.0.3		<a href="#">Download(Cores)</a>
240327_0 whql	v3.0	v3.0.1	v3.0.3		<a href="#">Download(Cores)</a>
240116_1 whql	v3.0	v3.0	v3.0.3		<a href="#">Download(Cores)</a>
231214_0 whql	v3.0	v3.0	v3.0.2		<a href="#">Download(Cores)</a>
231129_0 whql	v3.0	v3.0	v3.0.1		<a href="#">Download(Cores)</a>
231114_0 whql	v3.0	v3.0	v3.0		<a href="#">Download(Cores)</a>
3.0	1.10.5.0	<b>ComiIDE</b>	<b>Config</b>	가	
240116_0 whql	v2.94	v2.6.5	v2.6.7		<a href="#">Download(Cores)</a>
231218_0 whql	v2.94	v2.6.5	v2.6.6	<a href="#">Package</a>	<a href="#">Download(Cores)</a>

## EtherCAT IP (StandAlone)

F2.71_L2.5.9.0_2.5.8.0	2025.11.19		<a href="#">Download(Cores_251119_0)</a>
F2.68_L2.5.9.0_D2.5.7.0	2023.04.11		<a href="#">Download(Cores_230411_0)</a>
F2.67_L2.5.7.0_D2.5.6.0	2022.12.23		<a href="#">Download(Cores_221223_2)</a>
F2.64_L2.5.2.0_D2.5.2.0	2022.11.11.		<a href="#">Download(Cores_221111_0)</a>
F2.64_L2.4.11.0_D2.4.10.0	2022.10.07		<a href="#">Download(Cores_221007_0)</a>
v2.63	2022.09.30		<a href="#">Download(Cores)</a>
v2.62	2022.09.20	<a href="#">Download</a>	
<b>ComilDE v1.9.0.0 Config ( OP 가 )</b>			
v2.51.0.0	2022.07.15		<a href="#">Download (Cores)</a>
v2.42.0.0	2022.04.22		<a href="#">Download (Cores)</a>
v2.39.0.0	2022.04.06		<a href="#">Download (Cores)</a>
v2.06.0.0	2021.05.11		<a href="#">Download (Cores)</a>
v2.05.0.0	2021.05.03		<a href="#">Download (Cores)</a>
v1.0.0.0	2020.09.01	<a href="#">Download(Package)</a>	

## EtherCAT SW (Software EtherCAT)

Ver.	Daemon	Engine	DLL	Package	Core
231011_0	v1.1.3.1	v1.1.3.2	v1.1.0.0	<a href="#">Download(Package)</a>	<a href="#">Download (Cores)</a>
230922_0	v1.1.3.0	v1.1.3.1	v1.1.0.0	-	<a href="#">Download (Cores)</a>
230908_0	v1.1.3.0	v1.1.3.0	v1.1.0.0	-	<a href="#">Download (Cores)</a>
230621_0	v1.1.0.0	v1.1.0.0	v.1.1.0.0	-	<a href="#">Download (Cores)</a>
210225				<a href="#">Download(Package)</a>	<a href="#">Download (Cores)</a>

## EtherCAT SBC

Ver.	Firmware	Driver	DLL	Package	Cores
251107)0 whql	v2.167	2.15.1	2.29	<a href="#">Package</a>	<a href="#">Download(Cores))</a>
240715_0 whql	v2.135	v2.10.1	v2.11		<a href="#">Download(Cores)</a>

Ver.	Firmware	Driver	DLL	Package	Cores
240703_0 whql	v2.128	v2.10.1	v2.10		<a href="#">Download(Cores)</a>
230704_1 whql	v2.83	v2.5.1.1	v2.5.3.0		<a href="#">Download(Cores)</a>

## EtherCAT Serial Daemon

Ver.	Daemon	Driver	DLL	Package	Cores
231023_0 whql	v1.1.2.0	v18.12.20.0	v16.5.6.0		<a href="#">Download(Cores)</a>
230724_2 whql	v1.1.2.0	v18.12.20.0	v16.5.6.0		<a href="#">Download(Cores)</a>

## EtherCAT PCI & EtherCAT StandAlone

C#	2024.05.17	EtherCAT_Examples_CSharp (1.0.1.2)	<a href="#">download</a>
C++	2021.12.03	EtherCAT_Examples_C++ (1.0.0.1)	<a href="#">download</a>
VC6.0	2023.01.09	EtherCAT_Examples_vc6 (1.0.0.1)	<a href="#">download</a>
Delphi	2020.06.03	EtherCAT_Examples_Delphi	<a href="#">download</a>

## Software

EtherCAT_SW C#	2021.02.25	EtherCAT_SW_Examples_CSharp (1.0.0.0)	<a href="#">download</a>
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# Master

## Hardware

- [COMI-LX550](#) | [COMI-LX551](#) | [COMI-LX552](#) | [COMI-LX554](#)

## Software

- [EtherCAT Master API \(Basic\)](#) | [EtherCAT Master API \(Full\)](#) | [EtherCAT Object Manual](#)

## SW EtherCAT

- [ets\\_sw\\_manual.pdf](#)

# ETS

## Hardware

- [ETS-A0402MV-E](#)
- [ETS-AI08AH-E](#)
- [ETS-AO04I-E](#) | [ETS-AO04V-E](#)
- [ETS-DI16N](#) | [ETS-DI16P](#)
- [ETS-DI32N-E](#) | [ETS-DI32N-M](#) | [ETS-DI32N-T](#)
- [ETS-DO16N](#) | [ETS-DO16P](#)
- [ETS-DO32N-E](#) | [ETS-DO32N-M](#) | [ETS-DO32N-T](#)
- [ETS-D08MN](#) | [ETS-D08MP](#)
- [ETS-D04R](#)
- [ETS-EC04H-M](#)
- [ETS-MC02P](#)
- [ETS-SC08A](#)
- [ETS-HUB08A](#)

## Software

- [ETS SW Manual](#)

- [ETS-MC02P](#)

## ECS

### Hardware

- [ECS-NC100](#)
- [ECS-DO04R-24V](#) | [ECS-DO16N-24V](#)
- [ECS-DI16N-24V](#) | [ECS-DI16P-24V](#)
- [ECS-AI04IH-420](#) | [ECS-AI04VH-B10](#) | [ECS-AI08I-420](#)
- [ECS-AI04R](#) | [ECS-AI04T](#)
- [ECS-AO02IH-420](#) | [ECS-AO04IH-420](#) | [ECS-AO04VH-B10](#)
- [ECS-SC02I-232](#) | [ECS-SC02I-485](#)
- [ECS-CN08P](#)

### Software

- [ECS SW Manual](#)

## EVS

### Hardware

- [EVS-DI32N](#)
- [EVS-DO32N](#)
- [EVS-RPM](#)

### Software

- [EVS Software Manual](#)

# EPS

## Software

- [EPS-DO24](#) | [EPS-DI24](#)
- [EPS-AO04I](#)
- [EPS-AI08IH](#) | [EPS-AI04RNT](#) | [EPS-AI08RNT](#)

- [COMIZOA-ETC](#)
- [COMIZOA-ETS](#)
- [COMIZOA-ECS](#)
- [COMIZOA-EVS](#)
- [COMIZOA-EAS](#)
- [COMIZOA-FC](#)
- [COMIZOA-SES](#)
- [COMIZOA-KES](#)
- [COMIZOA-INTERLOCK](#)
- [COMIZOA-OHT](#)
- [COMIZOA-TES](#)

v1.0.0.1 (21.07.15)

- 1. DC-Sync EEPROM (0E → EE)

v1.0.0.2 (22.04.21)

- 1. LX558 가

v1.0.0.3 (22.10.24)

- 1. LX559 가

### COMIZOA\_ETS Version History

#### v1.0.0.1 (21.01.27)

- 1. ETS-DO16N-E / EEPROM

#### v1.0.0.2 (21.03.03)

- 1. ETS-DO16N-HM EEPROM DO H/W

#### v1.0.0.3 (21.04.01)

- 1. ETS-DOORLOCK-HM 가

#### v1.0.0.4 (21.07.15)

- 1. ETS-AI04RnT-E 가
- 2. ETS-D3208A0800 가

#### v1.0.0.5 (21.08.26)

- 1. ETS-AI08VH-HM Value Type 가
- 2. ETS-AI08IH-HM Value Type 가

#### v1.0.0.6 (21.09.07)

- 1. ETS-AI08IH-HM Value Type 가

#### v1.0.0.7 (21.09.15)

- 1. ETS-DO16N ConfigData

#### v1.0.0.8 (21.10.14)

- 1. ETS-MT02H

#### v1.0.0.9 (21.12.06)

- 1. ETS-DO04R PDO ConfigData

#### v1.0.1.0 (24.05.31)

- 1. ETS Slave Enhanced Link Detection ALL OFF

### COMIZOA\_SES Version History

v1.0.0.1 (21.12.21)

- 1. ETCH-PB, ETCH-EXT 가

v1.0.0.2 (22.02.18)

- 1. TMC-DI16 가

v1.0.0.3 (24.05.31)

- 1. Enhanced Link Detection ALL OFF

COMIZOA\_KES Version History

v1.0.0.5 (24.01.29)

- KES-PU,LU,CL,CLM,KIT AIO Filter 가

v1.0.0.6 (24.04.17)

- Flashwork Subindex

COMIZOA\_OHT Version History

v1.0.0.1 (21.07.21)

- 1. OHT-STEP-X1E 가

v1.0.0.2 (21.10.25)

- 1. OHT-STEP-X1E 0x1600 DataType

# Master

- COMI-LX55x CE
- COMI-LX554 CE
- COMI-EM-H3-C6 CE
- COMI-LX55x RoHS

- COMI-LX554 RoHS

## ETS

- ETS Slave CE

- ETS-MT02H-M
- ETS-MC02P
- ETS-SC08A
- ETS-AI08AH-E
- ETS-DI16N-MCE / ETS-DO16N-MCE
- ETS-DI32N-MCE / ETS-DO32N-MCE
- ETS-D08MN-MCE

- ETS Slave CE

- ETS-DI16N-E / ETS-DO16N-E
- ETS-D04MN-E / ETS-D08MN-E
- ETS-AI16AH-E / ETS-AO04I-E / ETS-AO04V-E / ETS-A0402MV-E
- ETS-EC04H-M / ETS-SC08A-S
- ETS-HUB04 / ETS-HUB06 / ETS-HUB08

- ETS Slave CE

- ETS-DI06N-HM
- ETS-DO16N-HM
- ETS-AI08AH-HM

- ETS Slave CE

- ETS-DI32N-M / ETS-DO32N-M
- ETS-DI32N-T / ETS-DO32N-T
- ETS-DI32N-E / ETS-DO32N-E

- ETS System RoHS

- ETS Slave RoHS

- ETS-DI32N-M / ETS-DO32N-M
- ETS-DI32N-T / ETS-DO32N-T
- ETS-DI32N-E / ETS-DO32N-E

## ECS

- ECS System CE
- ECS System RoHS

CMC	-	Cmc_LogApp	<a href="#">download</a>
CMC	-	Cmc_TestApp	<a href="#">download</a>
PUMP	2019.06.12	examples_manual	<a href="#">Download</a>
PUMP	2020.01.08	ses_pump	<a href="#">Download</a>
IDE_Temp	2022.01.07	ComiIDE.v1.6.2.6	<a href="#">ComiIDE v1.6.2.6</a>

Version 2

Cores Ver.	FW.	Drv.	DLL.	
260318_0	<b>2.169</b>	2.15	2.31	- : AIStatus CtrlWord (PDO )
260224_0	2.168	2.15	<b>2.31</b>	- : MFC DLL shared link (vc_redist 2022 ) - : DLL - : ecm_ODM_SetCmpTable EC04h ODM 가 (251217_0 )
260114_0	<b>2.168</b>	2.15	<b>2.30</b>	- : Config 가(InitCmd)
250917_0	<b>2.167</b>	2.15	<b>2.29</b>	- : FoE - : HotConnect CSA Renew CRC 가
250909_0	<b>2.166</b>	2.15	2.28	- : PDO Follow Mode Feedback Cmd 가
250903_0	2.165	2.15	<b>2.28</b>	- : OS Memory Leak Driver BSOD
250808_1	<b>2.165</b>	2.15	2.27	- : MTU Config Board (FW v2.161 )
250808_0	<b>2.164</b>	2.15	<b>2.27</b>	- : OSize Assignment Config - : PDO Map Timeout (OP ) - : Vender ODM Slave OP - : SDO R/W Subidx 가
250709_0	<b>2.163</b>	2.15	<b>2.26</b>	- : Hot Connect 가 - : Firmware Verify Only 가 - : ecaiGetChanVal_I_L() - : ALStatus Error 가 (4Xh DC_NOT_WORKING) - : DC 가 (DC SafeOP 가) - :

Cores Ver.	FW.	Drv.	DLL.	
250605_0	2.162	2.15	2.25	- : FoE 가 (ecSlv_FoE[_A]\(\)) - : InitSM 가 (Initial AL Status) - : BootStrap 가 - : Slave AL State 가 - : ecSlv_SetAlState() 가 - : Board LoadDevice 가 - : NetID ListMotion 가 - : Beckhoff chipset - : Cfg Download - : HomeCfg_SetMode() Abort Exception - : UnloadDevice Exception (VC22 ) - : MBX , Abort Code 가
250509_0	2.160	2.15	2.24	- : DLL (VC10→VC22) - : NetInfo 가 - : ecmLmSt_GetQueltemCounts() 가
250430_0	2.159	2.15	2.23	- : PossCorr PDO Follow 가
250411_0	2.158	2.15	2.22	- : Frequency Inverter 가
250408_0	2.157	2.15	2.21	- : Statemachine 가 - : AL Status
250401_1	2.156	2.15	2.21	- : AL Status, DC Setup
250328_0	2.155	2.15	2.20	- : 가 / - : 가 /
250327_2	2.154	2.15	2.20	- : 가
250327_0	2.153	2.15	2.20	- : 가 OPDrop (Drop ) - : 가 AL Status Code ( / Slave 1 ) - : OP ( / 10 ) - : MST/MODE ( / 0.2 ) ) - : hex ( h)
250324_0	2.152	2.15	2.20	- : x64 OS event type CMP callback handler dll crash
250320_0	2.152	2.15	2.19	- : Onboard CMP Feedback 가
250311_0	2.151	2.15	2.19	- : LX554 onboard CMP
250212_0	2.150	2.15	2.19	- : CMD 1 (fw v2.120 )
250210_0	2.149	2.15	2.19	- : Servo Home ( ) Servo Home Start Delay )
250124_0	2.148	2.15	2.19	- : Sync Start 2,3
250121_1	2.147	2.15	2.19	- : 240726_0(FW v2.136) Cmd, Feed, RingCount - : Max Device ( Device 8 , NET 8 )
250120_0	2.146	2.15	2.18	- : ABS SvOn CMD 가 - : DSP Boot Cfg Config interlock - : AnalogOutput F _L 가
250117_0	2.145	2.15	2.17	- : ABS SvOn CMD - : SxOutPDO_Set 가

Cores Ver.	FW.	Drv.	DLL.	
241220_0	2.144	2.15	2.16	- : InitFromFile() - : SetupMotionEnvironmentFromFile() 가 (InitFromFile ) - : LX554 Onboard CMP : Net_[Set/Get]Info() 가 - : Sweep Override GetLastErrorMsg() 가 - : Sweep Override deactivate sequence 가 - : Sweep Override Exception (0 ) - : OPDOSYNC - : Sweep Override
241120_0	2.143	2.15	2.15	- : (FW Build Version 가, Revision ) - : INP TimeOut 가 - : ecNet_GetBoardLed() 가 - : PreOP transition - : Reg134 read
241108_0	2.142	2.15	2.14	- : LX554 OnBoard CMP ,
240919_0	2.141	2.15	2.14	- : Cfg ( Servo On 가 )
240913_2	2.140	2.15	2.14	- : Bootcomplete DSP (Datasync ) - : Express Type PDO ( PCI/Ex 가)
240830_0	2.138	2.13	2.13	- : Disconnect Check - : Express Type PDO Size (2k → 4k)
240726_0	2.136	2.10	2.12	- : Servo On Operation Enable Timeout (0.5s→3s) - : (1 CMD/FEED )
240711_1	2.135	2.10	2.11	- : Arc
240705_1	2.132	2.10	2.11	- : LM Arc OverrideByRatio
240703_0	2.131	2.10	2.11	- : ecmlxCfg_SetSpeedPatt_time ErrorCode가 CCCC
240626_0	2.131	2.10	2.10	- : LM Arc - : ELMO Drive OP
240621_0	2.129	2.10	2.10	- Override
240612_0	2.128	2.10	2.10	- : OP Firmware Down
240610_0	2.127	2.10	2.10	- : MultiPacket (1500byte ) Packet (Config Packet )
240605_1	2.126	2.10	2.10	- : SCAN (DISCONNECT SafeOP , DISCONNECT )
240604_1	2.124	2.10	2.10	- : Disconnect, OP (Physical ID 0x0 가 )
240528_1	2.122	2.10	2.10	- : DISCONNECT Slave
240528_0	2.121	2.10	2.10	- : DISCONNECT, CONNECT - : Physical Address 0
240523_0	2.120	2.10	2.10	- : UnitDist
240521_0	2.119	2.10	2.10	- : Core Interface - : BitSequence RunState (240517_0 )

Cores Ver.	FW.	Drv.	DLL.	
240517_0	2.118	2.10	2.10	- : Sweep Override Stop - : SmartMoveTo() Stop 가 - eaERR_MOT_SEQ_SKIPPED_BACKWARD(-21061) - : , DSP  - : Override(Smart[V]Move[To]), Stop - : GetMotState - - SubErrCode 가 - ecERR_MOT_CTRL_ALARM(-1011) - ecERR_MOT_ETC(-1012) - : ODM IN_WAIT Status 가 (SmartMove, SweepOverride, InTime) - : 가 (Move, Stop, Override, SpeedPattern, ServoOn)
240510_0	2.117	2.7	2.9.2	- : FW 가 (Home, SmartMove, StopCompt)
240503_0	2.116	2.7	2.9.2	- : OverrideSpd ( ) -21060
240430_0	2.115	2.7	2.9.2	- : State Machine fw down - : All Disconnect
240423_1	2.113	2.7	2.9.2	- : Init→PreOP
240415_0	2.112	2.7	2.9.2	- : InPDOSkipCount 가 - : Init→PreOP 가 - : C#
240403_2	2.110	2.7	2.9.2	- : 가 (OP, Mst, AxisMode)
240402_1	2.109	2.7	2.9.2	- : NikkiDenso OP
240402_0	2.108	2.7	2.9.1	- : Compiler VC22 to VC10 (Shared Memory )
240315_0	2.108	2.7	2.9	- : ODM (SmartMoveToStart ) - : UnitSpeed - : ecERR_DEV_BOOT_TIMEOUT(-8) - : ecERR_DATASYNC_NOT_COMPT(-13) 가
240223_0	2.107	2.7	2.8	- : 5003 Profile SCAN
240222_0	2.106	2.7	2.8	- : SCAN
240221_0	2.105	2.7	2.8	- : DLL (VC10→VC22) - : Reg134 PreOP - : 5003 Profile Slave 가
240215_2	2.104	2.6.5	2.7	- : Slot Scan
240207_0	2.100	2.6.5	2.7	- : Ring
240201_0	2.99	2.6.5	2.6.7	- : SCAN-Download ( FW Down )
240130_0	2.98	2.6.5	2.6.7	- : Reg134ID Read Timeout - : Slot SCAN (ComilDE v1.11 ) - : Ring , LINK -
240126_0	2.97	2.6.5	2.6.7	- : (SxStop) 가 - : OP 가 Init
240123_0	2.96	2.6.5	2.6.7	- Revert: MultiPacket (231102_0)
240119_0	2.95	2.6.5	2.6.7	- : Sweep Override State , 가

Cores Ver.	FW.	Drv.	DLL.	
240116_0	2.94	2.6.5	<b>2.6.7</b>	- : Reg134ID Read
231218_0	2.94	<b>2.6.5</b>	<b>2.6.6</b>	- : DLL Load Exception - : Driver (2.6.4.0 )
231102_0	<b>2.94</b>	2.6.4.0	2.6.5.0	- : MultiPacket
231026_0	<b>2.93</b>	2.6.4.0	2.6.5.0	- : BitSequence fix
231025_0	<b>2.92</b>	2.6.4.0	<b>2.6.5.0</b>	- : OPDOSync 가 - : BitSequence 가 - : Master OP 가
230927_0	<b>2.91</b>	2.6.4.0	<b>2.6.4.0</b>	- : Sweep Override Emul 가 ( ) - : Sweep Override Status 가, , Unmap 가 ( ) - : SmartMove 가 Interlock 가
230920_0	<b>2.90</b>	2.6.4.0	<b>2.6.3.0</b>	- : RawInPDO 가 - : Master Board가 LoadDLL/UnloadDLL App Crash
230914_0	<b>2.89</b>	2.6.4.0	<b>2.6.2.0</b>	- : ReleaseNote 가 (md) - : ( 가) - : ODM (SmartVMoveStart 가 )
230822_1	<b>2.87</b>	2.6.4.0	<b>2.6.1.0</b>	- : 230718_0 Raw[In/Out] PDO
230818_1	<b>2.86</b>	<b>2.6.4.0</b>	<b>2.6.0.0</b>	- : BSOD - : Sweep Override (ODM) Sampling Data - : 230713_0 PCI BSOD
230718_0	<b>2.84</b>	<b>2.6.1.0</b>	<b>2.6.0.0</b>	- : Profile Torque Mode 가 - : Raw[In/Out] PDO
230713_0	2.83	<b>2.6.0.0</b>	2.5.3.0	- : SBC(DMA), PCIEx, PCI
230523_1	2.83	2.5.1.0	2.5.3.0	- : ecdiGetLogicAddr 가
230523_0	2.83	2.5.1.0	2.5.3.0	- : whql driver initial release
230519_0	<b>2.83</b>	2.5.0.0	<b>2.5.3.0</b>	- : SDO FW Down (221208_0 AbortCode ) - : ODM Smart[V]Move 가
230516_0	<b>2.82</b>	2.5.0.0	2.5.2.0	- : LS IO OP - : Weidmuller Slot OP
230508_0	2.82	2.5.0.0	<b>2.5.2.0</b>	- : ecdPutOne_L() 가 Exception
230503_0	<b>2.82</b>	2.5.0.0	2.5.1.0	- : rdp (s-curve extstop )
230410_0	<b>2.81</b>	2.5.0.0	<b>2.5.1.0</b>	- : C# - : Slv_SdoInfo() - : ResetEsc() - : Servo Home Mode PDO “Mod of Operation” ( ) - : LmOverrideRatio() 0 Ratio (Invalid Parameter) - : Delay ( ) - : SD Disable Latch 가

Cores Ver.	FW.	Drv.	DLL.	
230406_0	<b>2.80</b>	2.5.0.0	2.5.0.0	- : Data
230313_0	<b>2.78</b>	<b>2.5.0.0</b>	<b>2.5.0.0</b>	- : DLL v2.4.12.0 Lx554 Load 가 - : NetID interlock - :
230307_0	<b>2.77</b>	2.4.3.0	2.4.12.0	- : IDE LastConfig Auto Load - : RingCnt Multiturn Home ComptPosition - : ODM (LmOverrideRatio) - : Virtual Axis 가 - : Alarm/Warning FW PDO 가
230223_0	2.76	2.4.3.0	<b>2.4.12.0</b>	- DLL CPU
230217_0	<b>2.76</b>	2.4.3.0	<b>2.4.11.0</b>	- ODM (Stop Override 가 )
230207_0	<b>2.75</b>	2.4.3.0	<b>2.4.9.0</b>	- Master Slave Slave 가
230206_0	<b>2.74</b>	2.4.3.0	2.4.8.0	- OverrideMoveTo() - Master Slave Slave
230201_0	<b>2.73</b>	2.4.3.0	2.4.8.0	- ODM (ODM_OverrideSpeedByRatio)
230131_0	<b>2.72</b>	2.4.3.0	2.4.8.0	- ODM (ODM_OverrideSpeedByRatio)
230127_0	2.71	2.4.3.0	<b>2.4.8.0</b>	- ODM (ODM_SmartVMove) DLL export
230116_0	2.71	2.4.3.0	2.4.6.0	- Header
230115_0	<b>2.71</b>	2.4.3.0	<b>2.4.6.0</b>	- Standalone ODM (SO )
230109_0	2.70	2.4.3.0	<b>2.4.5.0</b>	- IX FW→DLL
230106_0	<b>2.70</b>	2.4.3.0	<b>2.4.4.0</b>	- Delay - IX MasterAxisFix 가
221208_0	<b>2.68</b>	<b>2.4.3.0</b>	<b>2.4.3.0</b>	- Standalone - UnitDist, UnitSpeed - SetOutPdo Crash - Header 가 - CoeSDO Abord Code 가 - LostFrame 가 - GetInfo Exception - LmSt_GetRemStepCount() FW ( DLL+FW) - HouseKeep Auto Download NetIdx→NetID - SyncFactor1 (LS-iX7NH) - NetID (NetIdx→NetID)
221117_0	2.67	<b>2.4.2.0</b>	2.4.0.0	- OpenDevice (-12) - GetVerInfo() False
221027_0	<b>2.67</b>	2.4.1.0	2.4.0.0	- SxMot_Stop TouchProbe
221024_2	<b>2.65</b>	2.4.1.0	2.4.0.0	-
221024_0	<b>2.63</b>	2.4.1.0	2.4.0.0	- OverrideSpeed 가
220926_0	2.62	<b>2.4.1.0</b>	2.4.0.0	- Scan-Download BSOD 가
220920_0	<b>2.62</b>	2.4.0.0	2.4.0.0	- DC-Sync Config (DC-Factor )
220907_1	<b>2.60</b>	<b>2.4.0.0</b>	<b>2.4.0.0</b>	- DC-Sync Config (Sync0, 1 Config )
220826_1	<b>2.45</b>	2.3.1.0	<b>2.3.6.0</b>	- OP (LinMot )
-	-	-	-	<b>ComiIDE v1.9 Config가 ( OP 가)</b>

Cores Ver.	FW.	Drv.	DLL.	
220818_0	<b>2.44</b>	2.3.1.0	2.3.5.0	- OP (LS-iX7 )
220805_0	<b>2.43</b>	2.3.1.0	<b>2.3.5.0</b>	- LX553 가 - eccdiLtc_IsAddedChannel() Stack - ecNet_IsBootCompt() NetID

Version 3

Cores Ver.	FW.	Drv.	DLL.	
240711_0	<b>3.5</b>	3.0.1	3.0.3	- Revert: 240709_0
240710_1	<b>3.4</b>	3.0.1	3.0.3	- : Override (240619_0 )
240619_0	<b>3.3</b>	3.0.1	3.0.3	- : Override
240614_0	<b>3.2</b>	3.0.1	3.0.3	- : Override, Stop +
240401_0	<b>3.0</b>	3.0.1	3.0.3	- : Sampling ( 20%) - : BootUp Delay 가 ( Master ) - : Config OutPDO가
240327_0	3.0	<b>3.0.1</b>	3.0.3	- : ODM (2XPattern ) Start IN_WAIT Interlock 가
240116_1	3.0	3.0	<b>3.0.3</b>	- : Reg134ID Read
231214_0	3.0	3.0	<b>3.0.2</b>	- : 231114_0 IN_WAIT
231129_0	3.0	3.0	<b>3.0.1</b>	- : DLL Load Exception
231114_0	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	- : ( Config ) - : LX553 PDO
-	-	-	-	<b>Config</b> 1.10.5 <b>ComiIDE</b>
231102_0	<b>2.94</b>	2.6.4.0	2.6.5.0	- : MultiPacket

<b>2.42</b>	2.3.1.0	<b>2.3.4.0</b>	- Slave FW Down
			- Home
<b>2.41</b>	2.3.1.0	2.3.3.0	- 121 Home Mode EZ Low Spd →
<b>2.39</b>	2.3.1.0	2.3.3.0	- TimeStrict IxMotion
<b>2.38</b>	2.3.1.0	<b>2.3.3.0</b>	- Servo Driver
<b>2.37</b>	2.3.1.0	2.3.1.0	- All Disconnect - AI State 가
<b>2.36</b>	<b>2.3.1.0</b>	<b>2.3.1.0</b>	- Configuration Physical Address
<b>2.35</b>	2.3.0.0	2.3.0.0	SxStop TimeStrict 가
<b>2.34</b>	2.3.0.0	2.3.0.0	EEPROM Read / Write
			Reg134
			AIStatus
			AIState Read failed timeout
<b>2.32</b>	2.3.0.0	2.3.0.0	VMoveStart TimeStrict 가
<b>2.31</b>	<b>2.3.0.0</b>	<b>2.3.0.0</b>	OutPDO Sync 가 (PDO Object )
<b>2.29</b>	2.1.0.2	2.2.0.1	SDO Read/Write Timeout
2.27	2.1.0.2	<b>2.2.0.1</b>	PDO 가
<b>2.27</b>	2.1.0.2	<b>2.1.3.0</b>	4byte Data EEPROM Write
			Byte Data EEPROM Write 가

2.24	<b>2.1.0.2</b>	<b>2.1.1.1</b>	NetID ( : NetIndex)
<b>2.24</b>	2.1.0.0	<b>2.1.1.0</b>	Master/Slave Disconnect Bug ( Disconnect ) ecaiGetChanVal_I_L() 가
<b>2.23</b>	<b>2.1.0.0</b>	<b>2.1.0.4</b>	DoGetMulti, DiGetMulti 가 (FW 2.11 ) ListMotion Stop Bug ( 가 )
<b>2.21</b>	2.0.0.3	2.0.1.10	HomeMode (1 114)
<b>2.19</b>	2.0.0.3	<b>2.0.1.9</b>	Firmware Reset 가 Arc
<b>2.15</b>	2.0.0.3	<b>2.0.1.7</b>	DC Debug 가 ESC Reset 가
<b>2.13</b>	2.0.0.3	<b>2.0.1.5</b>	MasterDCOffset OutPDO Write ( )
<b>2.12</b>	2.0.0.3	<b>2.0.1.4</b>	LmRatio , 가 opdrop
<b>2.11</b>	2.0.0.3	<b>2.0.1.3</b>	Dio Multi 32 8 Multi
<b>2.09</b>	2.0.0.3	2.0.1.2	S-Curve Helical Ix Override Helical ListMotion
<b>2.08</b>	2.0.0.3	2.0.1.2	EL EL Stop 27.4 HomeOffset Unitdistance S-Curve ListMotion Stop
<b>2.07</b>	2.0.0.3	<b>2.0.1.2</b>	S-Curve workspeed compensation
<b>2.06</b>	2.0.0.3	<b>2.0.0.6</b>	HelicalEx 가
<b>2.05</b>	2.0.0.3	2.0.0.5	List Motion Stop
<b>2.04</b>	2.0.0.3	<b>2.0.0.5</b>	
2.03	2.0.0.3	<b>2.0.0.4</b>	ComiEcatLibCfg.ini
<b>2.03</b>	<b>2.0.0.3</b>	<b>2.0.0.3</b>	HOME Settling time, command ESCD Config
<b>2.02</b>	<b>2.0.0.1</b>	<b>2.0.0.2</b>	BSOD(0x1D) DC-Sync Interrupt
2.01	2.0.0.0	<b>2.0.0.1</b>	DIO Local SlvPhysAddr
<b>2.01</b>	2.0.0.0	2.0.0.0	DPRAM Interface Push/Pop Assembly 가
<b>2.00</b>	<b>2.0.0.0</b>	<b>2.0.0.0</b>	LmDO (FW→DLL)
<b>1.99</b>	1.5.0.7	1.5.4.5	Queue MailBox 가
<b>1.98</b>	1.5.0.7	<b>1.5.4.5</b>	Ptm_Begin, Ptm_RemCount, PtmSt_GetRunSts DC-Sync Offset
<b>1.97</b>	1.5.0.7	1.5.4.2	Ix ListMotion INP 가
<b>1.95</b>	<b>1.5.0.7</b>	<b>1.5.4.2</b>	ListMotion DO 가

<b>1.94</b>	1.5.0.6	1.5.3.3	121 가 (Z )
			가
<b>1.93</b>	1.5.0.6	<b>1.5.3.3</b>	ecSlv_SetEscWDT_A()
			DIR
1.92	1.5.0.6	<b>1.5.4.1</b>	Driver Digital Output 가
			가 Disconnect
			In / Out Port DLL Crash
			InitOutPDOData BSOD
<b>1.92</b>	<b>1.5.0.6</b>	<b>1.5.3.2</b>	Driver 가
			In / Out Port 가
			LMSpdRatio 가
			Driver TimeStamp 가
			IDE Scan / Down DC Delay
<b>1.88</b>	<b>1.5.0.5</b>	<b>1.5.1.9</b>	Single Turn Overflow Position Reset 가
<b>1.87</b>	<b>1.5.0.3</b>	<b>1.5.1.8</b>	BSOD (0xD1)
<b>1.84</b>	1.5.0.1	<b>1.5.1.5</b>	ZVIS ( )
			RingCounter_Absoulte
			27.4 (FW v1.76 ~)
			v1.76 ~) Slave Disconnect (FW
<b>1.82</b>	1.5.0.1	<b>1.5.1.3</b>	RDP 가
<b>1.80</b>	1.5.0.1	<b>1.6.0.0</b>	MasterCMP Manual Output 가
			MasterCMP DO Output 가
			가
			(Redundancy)
			( ) 가
<b>1.76</b>	1.5.0.1	<b>1.5.0.8</b>	( ) 가
			가
			Jerk Mode 가
			(2 가 ) 가
<b>1.75</b>	1.5.0.1	<b>1.5.0.6</b>	HomeOffsetEx 가
			가
			ecmGn_InitFromFile
<b>1.72</b>	1.5.0.1	<b>1.5.0.4</b>	Jerk Profile_Velocity 가
			Jerk Profile_Time 가
			CKD
<b>1.71</b>	1.5.0.1	<b>1.5.0.3</b>	1) 가
1.70	1.5.0.1	1.5.0.2	가

**Pulse**

- [Package](#)
- [Example](#)

- [Manual](#)
- [Certificate](#)
- [ETC](#)
- [History](#)

## Pulse PCI

2024.03.12 whql	v1.5.0.5	<a href="#">Package</a>	<a href="#">Download (Core)</a>
240215_0 whql	v1.5.0.4		<a href="#">Download (Core)</a>
2024.01.04	v1.5.0.3	<a href="#">Package</a>	<a href="#">Download (Core)</a>
2021.09.15	v1.5.0.2		<a href="#">Download (Core)</a>
2021.06.08	v1.5.0.1		<a href="#">Download (Core)</a>
2020.10.13	v1.5.0.0	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
2020.02.24	v1.4.0.0	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
2020.01.08	v1.3.0.0	<a href="#">Download</a>	
2019.07.04	v1.2.0.0	<a href="#">Download</a>	
2019.04.25	v1.1.0.0	<a href="#">Download</a>	
2018.12.07	v1.0.0.0	<a href="#">Download</a>	

## Classic

v1.1.0.0	2021.01.29	<a href="#">Download</a>
v1.0.0.3	2020.02.20	<a href="#">Download</a>
v1.0.0.2	2019.09.04	<a href="#">Download</a>
v1.0.0.0	2019.07.01	<a href="#">Download</a>

Pulsemotion C#	2021.07.14	Pulsemotion_Examples_CSharp (1.0.0.0)	<a href="#">Download</a>
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# CE

- LX502
- LX504
- LX508
- LX534

# RoHS

- LX504

## cEIP

- [Package](#)
- [Example](#)
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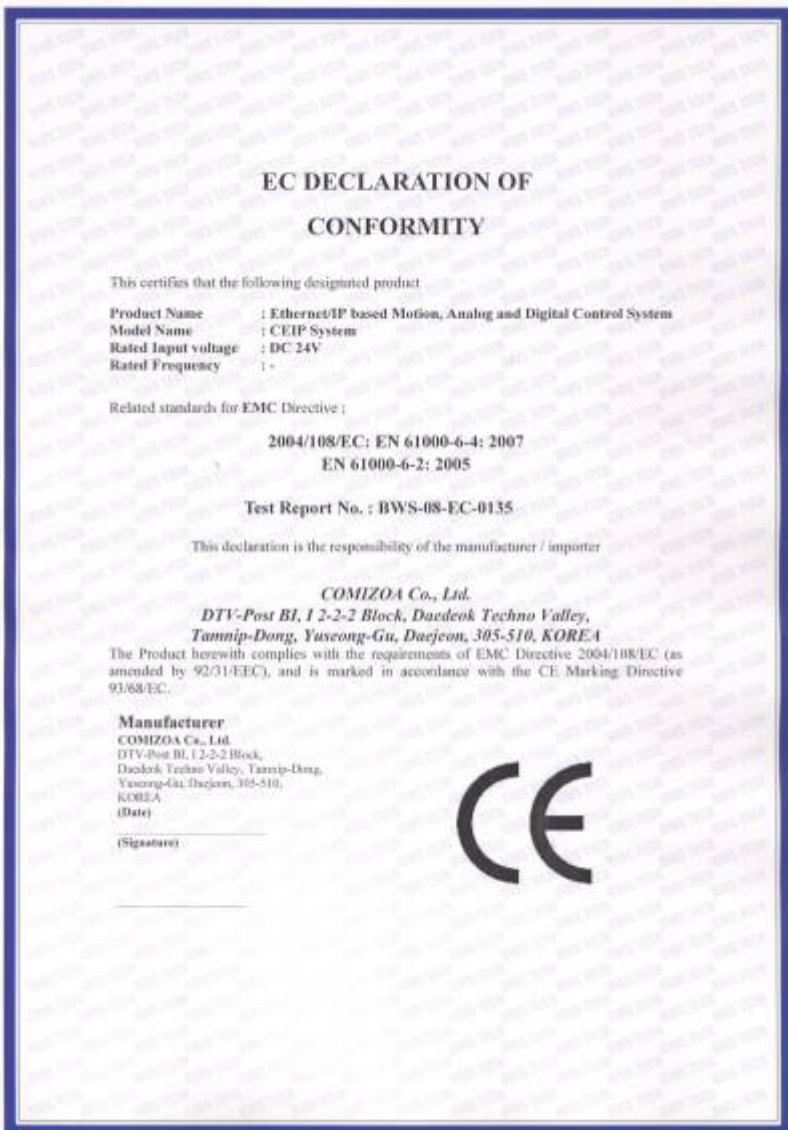
## cEIP

v1.32.0.0	2021.02.05	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
v1.1.0.1	2020.06.01	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
v1.0.0.0	2018.12.07	<a href="#">Download</a>	

## VSC

v2.1.1	2021.06.04	N/A	<a href="#">Download(Core)</a>
v2.1.0	2021.04.05	N/A	<a href="#">Download (Core)</a>

cEIP C#	2022.01.24	cEIP_Examples_CSharp (1.0.0.1)	<a href="#">Download</a>
cEIP C++	2022.06.27	cEIP_Examples_cpp	<a href="#">Download</a>
cEIP Delphi	2022.06.27	cEIP_Examples_Delphi	<a href="#">Download</a>



**RTEX**

- [Package](#)
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- [Manual](#)
- [ETC](#)
- [History](#)

v1.2.0.0	2024.03.21_whql		<a href="#">Download(Cores)</a>
v1.1.0.0	2020.04.29	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
v1.0.0.0	2018.12.07	<a href="#">Download (Package)</a>	N/A

### Nemo2\_RTEX

v1.0.0.3	2024.03.11_whql	<a href="#">Download(Cores)</a>
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RTEX C#	2021.07.14	RTEX_Examples_CSharp (1.0.0.0)	<a href="#">Download</a>
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### Mechatrolink 2

- [Package](#)
- [Example](#)
- [Manual](#)
- [Certificate](#)
- [ETC](#)
- [History](#)

v1.2.3.1	2024.03.05_whql		<a href="#">Download(Cores)</a>
v1.2.3.0	2021.04.21		<a href="#">Download (Core)</a>
v1.2.2.1	2020.04.29	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
v1.0.0.0	2018.12.07	<a href="#">Download</a>	N/A

## CE

- LX530S

# RoHS

- LX530S

## Mechatrolink 3

- [Package](#)
- [Example](#)
- [Manual](#)
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- [History](#)

Mlink3_240304_0_whql	2024.03.04		<a href="#">Download(Cores)</a>
Mlink3_220926_0	2022.09.26		<a href="#">Download (Core)</a>
v1.0.0.2	2022.02.17		<a href="#">Download (Core)</a>
v1.0.0.1	2022.01.27		<a href="#">Download (Core)</a>
v1.0.0.0	2021.02.17	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>

Mlink3 C#	2022.01.05	Mlink3_Examples_CSharp (1.0.0.0)	<a href="#">Download</a>
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# CE

- LX530

# RoHS

- LX530

# MMA

- LX530

## SSCNET

- [Package](#)
- [Example](#)
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- [History](#)

## NEMO (LX540, LX540H)

Stable ( )

Ver.	Firmware	Driver	Library	Package	Cores
2022.09.13	v1.0.12.0	v1.0.0.2	v1.0.0.6	<a href="#">Package</a>	<a href="#">Download(Cores)</a>

( )

Ver.	Firmware	Driver	Library	Package	
2021.08.20	v1.0.10.0	v1.0.0.2	v1.0.0.6		<a href="#">Download(Core)</a>
2020.10.15	v1.0.7.0	v1.0.0.1	v1.0.0.4	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
2020.04.29	v1.0.6.0	v1.0.0.1	v1.0.0.2	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
2018.12.07	v1.0.0.0			<a href="#">Download</a>	

## NEMO2 (LX541H)

Stable ( )

Ver.	Firmware	Driver	Library	Package	
2022.06.02	v1.0.7.0	v1.0.0.4	v1.0.0.3		<a href="#">Download(Cores)</a>

## NEMO (LX540, LX540H)

Stable ( )

Ver.	Firmware	Driver	Library	Package	Cores
2022.09.13	v1.0.12.0	v1.0.0.2	v1.0.0.6	<a href="#">Package</a>	<a href="#">Download(Cores)</a>

( )

Ver.	Firmware	Driver	Library	Package	
2021.08.20	v1.0.10.0	v1.0.0.2	v1.0.0.6		<a href="#">Download(Core)</a>
2020.10.15	v1.0.7.0	v1.0.0.1	v1.0.0.4	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
2020.04.29	v1.0.6.0	v1.0.0.1	v1.0.0.2	<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
2018.12.07	v1.0.0.0			<a href="#">Download</a>	

## NEMO2 (LX541H)

Stable ( )

Ver.	Firmware	Driver	Library	Package	
2022.06.02	v1.0.7.0	v1.0.0.4	v1.0.0.3		<a href="#">Download(Cores)</a>

## SSCNET3H

C#	2022.07.15	SSCNET_Examples_CSharp	<a href="#">Download</a>
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# SSCNET

## Software

- [NEMO\(LX540,LX540H,LX541H\)](#)

## DAQ

- [Package](#)
- [Example](#)
- [Manual](#)
- [Certificate](#)
- [ETC](#)
- [History](#)

### DAQ (CPSD)

Ver.	Driver	Library	Package	Coers
2026.02.26_whql	v4.4.3.3	v3.6.1.6		<a href="#">Cores</a>
2022.01.12_whql	v1.3.1.0		<a href="#">Package</a>	<a href="#">Download (Core)</a>
2020.04.29	v1.3.0.0		<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
2019.10.02	v1.2.0.1		<a href="#">Download</a>	
2019.07.04	v1.2.0.0		<a href="#">Download</a>	
2019.04.23	v1.1.0.0		<a href="#">Download</a>	
2018.12.10	v1.0.0.0		<a href="#">Download</a>	

### DAQ (Lx)

Ver.	Driver	Library	Package	Coers
250225_0	v4.5.0.2	v4.5.1.3	<a href="#">Package</a>	<a href="#">Download(Cores)</a>

DAQ C#	2021.08.10	DAQ_Examples_CSharp (1.0.0.0)	<a href="#">Download</a>
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# CE

- CP3 Series
- SD4 Series
  - SD201

## C-Net

- [Package](#)
- [Example](#)
- [Manual](#)
- [Certificate](#)
- [ETC](#)
- [History](#)

ver	Drv	Lib	Package	Cores
2026.03.18_whql	v1.0.1.0	v1.0.1.0		<a href="#">Download(Cores)</a>
2020.04.29	v1.1.0.0		<a href="#">Download (Package)</a>	<a href="#">Download (Core)</a>
2018.12.07	v1.0.0.0		<a href="#">Download</a>	

# CE

- C-NET

## Automation

1)

false      DevList      Node      가

2)

Invisible Node 가

3)

가 900

4)

ID

ID

5)

AIState 가

6)

Config

SetFMMU()

, Scan

Get

7)

Dictionary WeiduMuiller Object가

8)

CoeSDO Read Fail / write Fail

9) , 10)

PlatformInfo.xml, DeviceList.xml

From:

<http://comizoa.com/info/> - -

Permanent link:

<http://comizoa.com/info/doku.php?id=download&rev=1623134138>

Last update: **2024/07/08 18:22**